

RSLogix 500 Project Report



Processor Information

Processor Type: Bul.1766 MicroLogix 1400 Series B

Processor Name: ML1400

Total Memory Used: 239 Instruction Words Used - 168 Data Table Words Used

Total Memory Left: 12195 Instruction Words Left

Program Files: 6

Data Files: 12

Program ID: a91f

I/O Configuration

0	Bul.1766	MicroLogix 1400 Series B
1		
2		
3		
4		
5		
6		
7		

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection: Yes
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a

Source ID: 1 (decimal)
Baud: 19200
Parity: NONE
Control Line : No Handshaking
Error Detection: CRC
Embedded Responses: Auto Detect
Duplicate Packet Detect: Yes
ACK Timeout(x20 ms): 50
NAK Retries: 3
ENQ Retries: 3

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: F4:54:33:AA:A6:86
IP Address: 10.0.0.10
Subnet Mask: 255.255.255.0
Gateway Address: 0.0.0.0
Msg Connection Timeout (x 1mS): 15000
Msg Reply Timeout (x mS): 3000
Inactivity Timeout (x Min): 30
Bootp Enable: No
Dhcp Enable: No
SMTP Enable: No
SNMP Enable: No
HTTP Enable: Yes
Auto Negotiate Enable: Yes
DNP3 over IP Enable: No
Modbus TCP Enable: Yes
Disable EtherNet/IP Incoming Connection: No
Disable Duplicate IP Address Detection: No
Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex
Contact:
Location:

Extend Area: No
Enable Access Control for Master IP addresses: No
Coil Base File Number: 0
Contact Base File Number: 0
Input Register Base File Number: 0
Holding Register Base File Number: 9
Client IP Address 0: 0.0.0.0
Client IP Address 1: 0.0.0.0
Client IP Address 2: 0.0.0.0
Client IP Address 3: 0.0.0.0
Client IP Address 4: 0.0.0.0
Local TCP Port: 502
Diagnostic File Number: 0

CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex

CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout: 60
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection: Yes

Channel Configuration

CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d
CHANNEL 2 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a

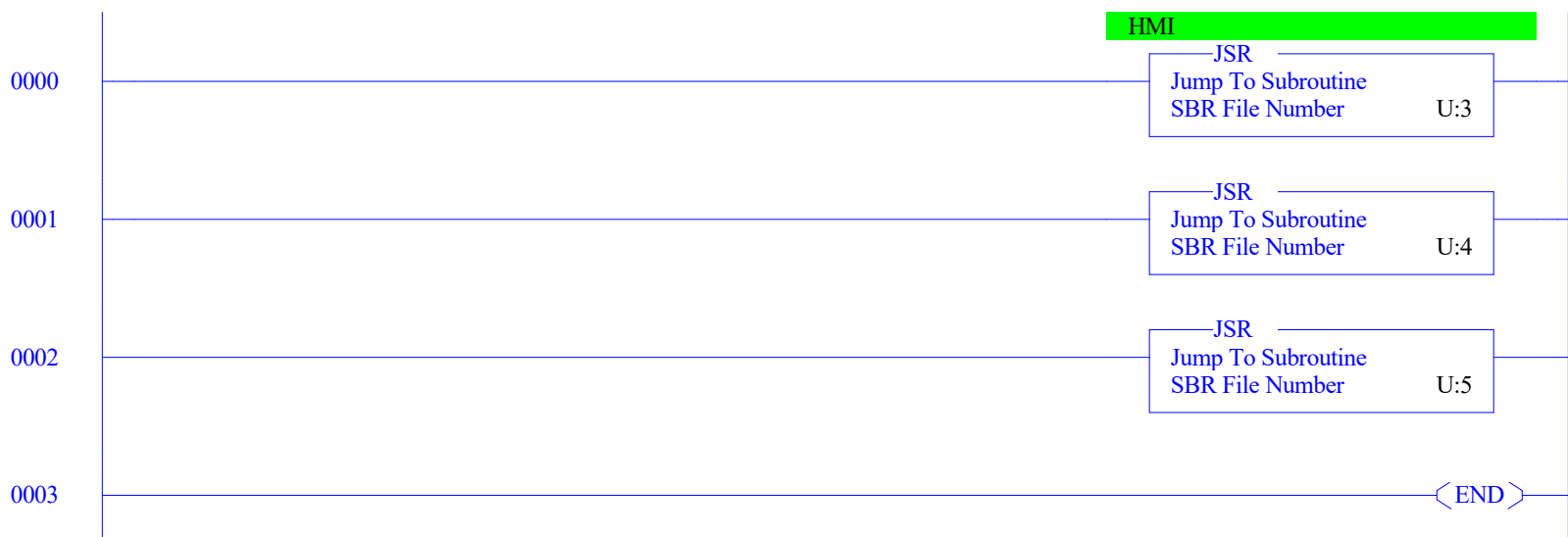
Source ID: 1 (decimal)
Baud: 19200
Parity: NONE
Control Line : No Handshaking
Error Detection: CRC
Embedded Responses: Auto Detect
Duplicate Packet Detect: Yes
ACK Timeout(x20 ms): 50
NAK Retries: 3
ENQ Retries: 3

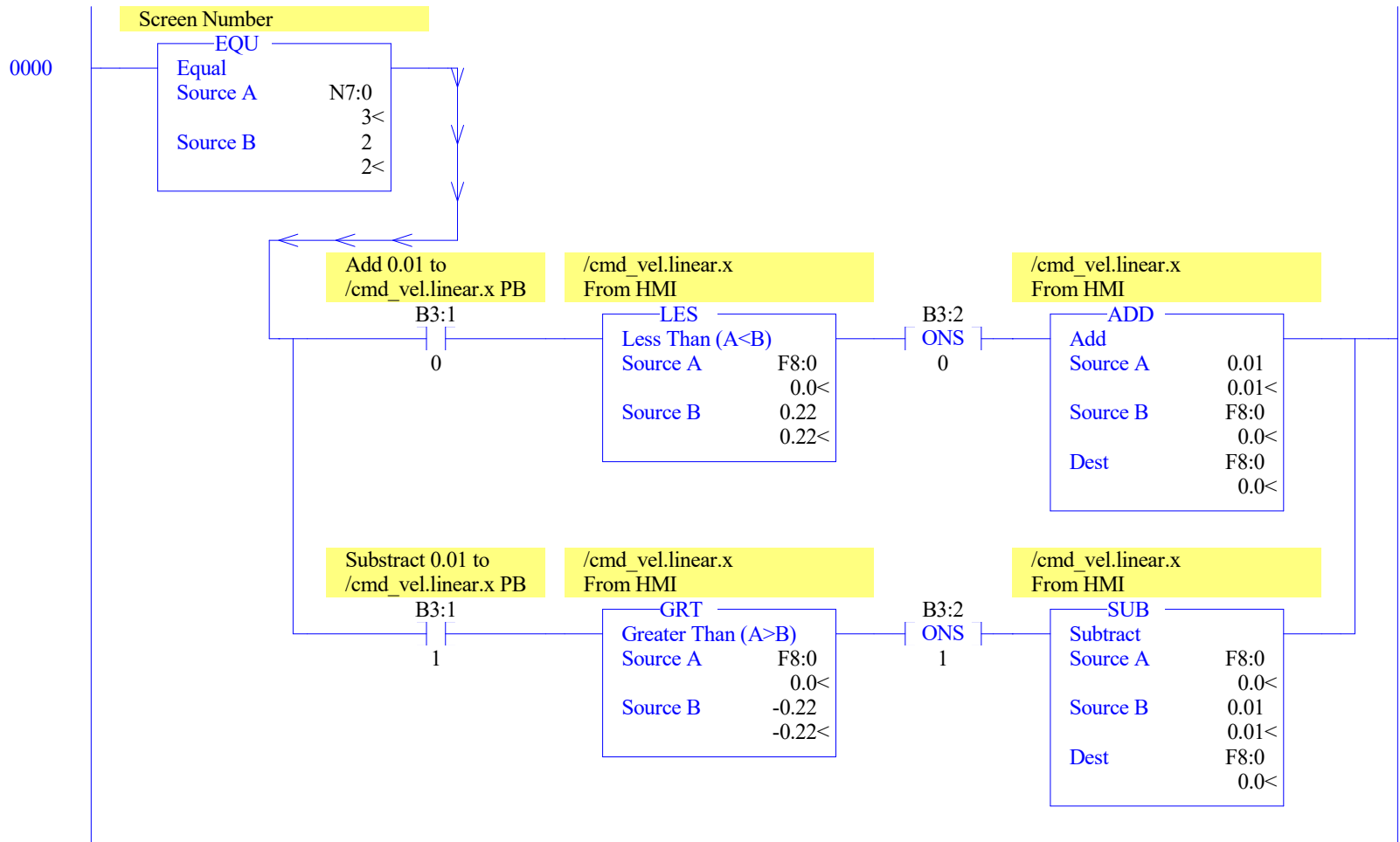
Program File List

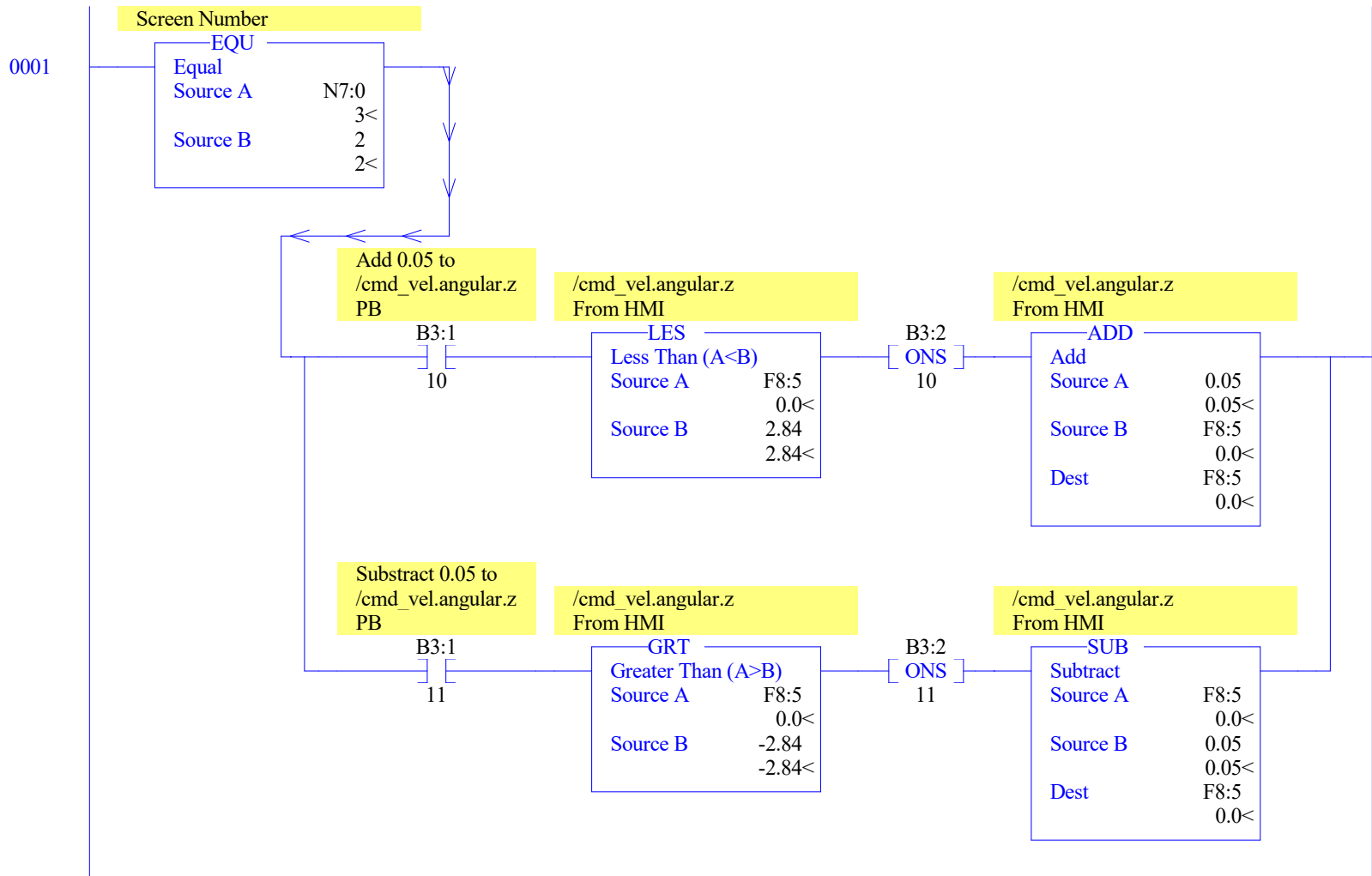
Name	Number	Type	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
	2	LADDER	4	No	30
HMI	3	LADDER	5	No	555
TELEOP	4	LADDER	7	No	391
COMMAND	5	LADDER	8	No	487

Data File List

Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	O	Global	No	18	6	O:5
INPUT	1	I	Global	No	24	8	I:7
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	B	Global	No	32	32	B3:31
TIMER	4	T	Global	No	3	1	T4:0
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	20	20	N7:19
FLOAT	8	F	Global	No	20	10	F8:9
HOLD_REG	9	N	Global	No	25	25	N9:24
DECIMALES	10	F	Global	No	14	7	F10:6
	11	N	Global	No	6	6	N11:5







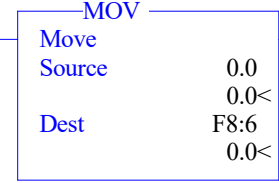
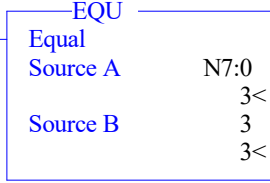


0003

Screen Number

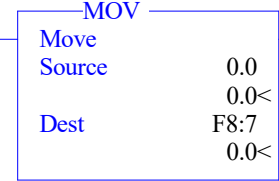
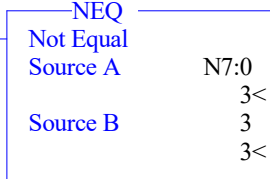
Stop Robot PB

Linear Distance
Commanded From HMI
(m)

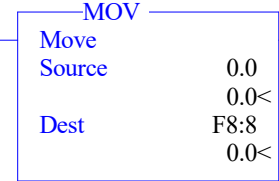


Screen Number

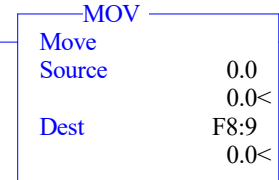
Linear Velocity
Commanded From HMI
(m/s)



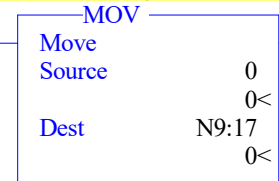
Angular Rotation
Commanded From HMI
(°)



Angular Velocity
Commanded From HMI
(°/s)



Holding Register
40018
(Linear Distance
Commanded m)



Holding Register
40019 (Linear
Distance
Commanded cm)

MOV

Move	
Source	0
	0<
Dest	N9:18
	0<

Holding Register
40020 (Rotation
Angle Commanded [°])

MOV

Move	
Source	0
	0<
Dest	N9:19
	0<

Holding Register
40021 (Linear
Velocity Commanded
in X axis [m])

MOV

Move	
Source	0
	0<
Dest	N9:20
	0<

Holding Register
40022 (Linear
Velocity Commanded
in X axis [cm])

MOV

Move	
Source	0
	0<
Dest	N9:21
	0<

Holding Register
40023 (Angular
Velocity Commanded
in Z axis [°/s])

MOV

Move	
Source	0
	0<
Dest	N9:22
	0<

0004

⟨END⟩

#####

(ES) Este renglon lee el valor de F8:0 (linear.x) del HMI y lo mueve a N9:0. Debido a que esta fanciaion redondea el valor en lugar de truncarlo, la segunda y tercer rama de la logica corrigen el error en caso de existir.

(EN) This rung reads F8:0 (linear.x) from HMI and moves it to N9:0. Due to it rounds the value instead of truncate it, second and third branches correct error if any.

#####

Screen Number

EQU

Equal

Source A

N7:0

3<

Source B

2

2<

Holding Register

40001

(/cmd_vel.linear.x)

MOV

Move

Source

F8:0

0.0<

Dest

N9:0

0<

Holding Register

40001

(/cmd_vel.linear.x)

GEQ

Grtr Than or Eql (A>=B)

Source A

N9:0

0<

Source B

0

0<

Holding Register

40001

(/cmd_vel.linear.x)

GRT

Greater Than (A>B)

Source A

N9:0

0<

Source B

F8:0

0.0<

Holding Register

40001

(/cmd_vel.linear.x)

SUB

Subtract

Source A

N9:0

0<

Source B

1

1<

Dest

N9:0

0<

Holding Register

40001

(/cmd_vel.linear.x)

LES

Less Than (A<B)

Source A

N9:0

0<

Source B

0

0<

Holding Register

40001

(/cmd_vel.linear.x)

LES

Less Than (A<B)

Source A

N9:0

0<

Source B

F8:0

0.0<

Holding Register

40001

(/cmd_vel.linear.x)

ADD

Add

Source A

N9:0

0<

Source B

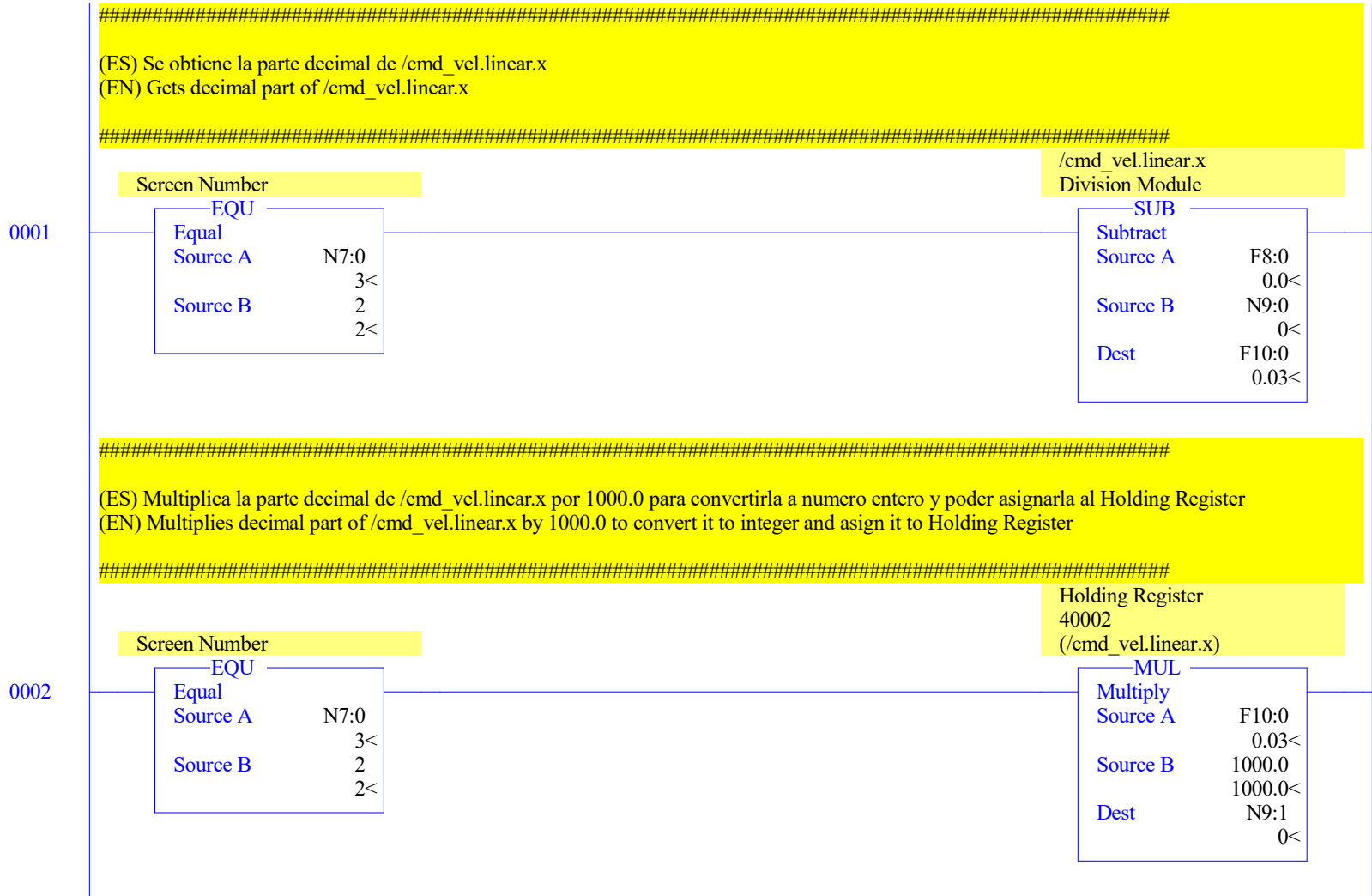
1

1<

Dest

N9:0

0<



#####

(ES) Este renglon lee el valor de F8:5 (angular.z) del HMI y lo mueve a N9:10. Debido a que esta fanciaion redondea el valor en lugar de truncarlo, la segunda y tercer rama de la logica corrigen el error en caso de existir.

(EN) This rung reads F8:5 (angular.z) from HMI and moves it to N9:10. Due to it rounds the value instead of truncate it, second and third branches correct error if any.

#####

Screen Number

EQU

Equal

Source A

N7:0

3<

Source B

2

2<

Holding Register

40011

(/cmd_vel.angular.z)

MOV

Move

Source

F8:5

0.0<

Dest

N9:10

0<

Holding Register

40011

(/cmd_vel.angular.z)

GEQ

Grtr Than or Eql (A>=B)

Source A

N9:10

0<

Source B

0

0<

Holding Register

40011

(/cmd_vel.angular.z)

GRT

Greater Than (A>B)

Source A

N9:10

0<

Source B

F8:5

0.0<

Holding Register

40011

(/cmd_vel.angular.z)

SUB

Subtract

Source A

N9:10

0<

Source B

1

1<

Dest

N9:10

0<

Holding Register

40011

(/cmd_vel.angular.z)

LES

Less Than (A<B)

Source A

N9:10

0<

Source B

0

0<

Holding Register

40011

(/cmd_vel.angular.z)

LES

Less Than (A<B)

Source A

N9:10

0<

Source B

F8:5

0.0<

Holding Register

40011

(/cmd_vel.angular.z)

ADD

Add

Source A

N9:10

0<

Source B

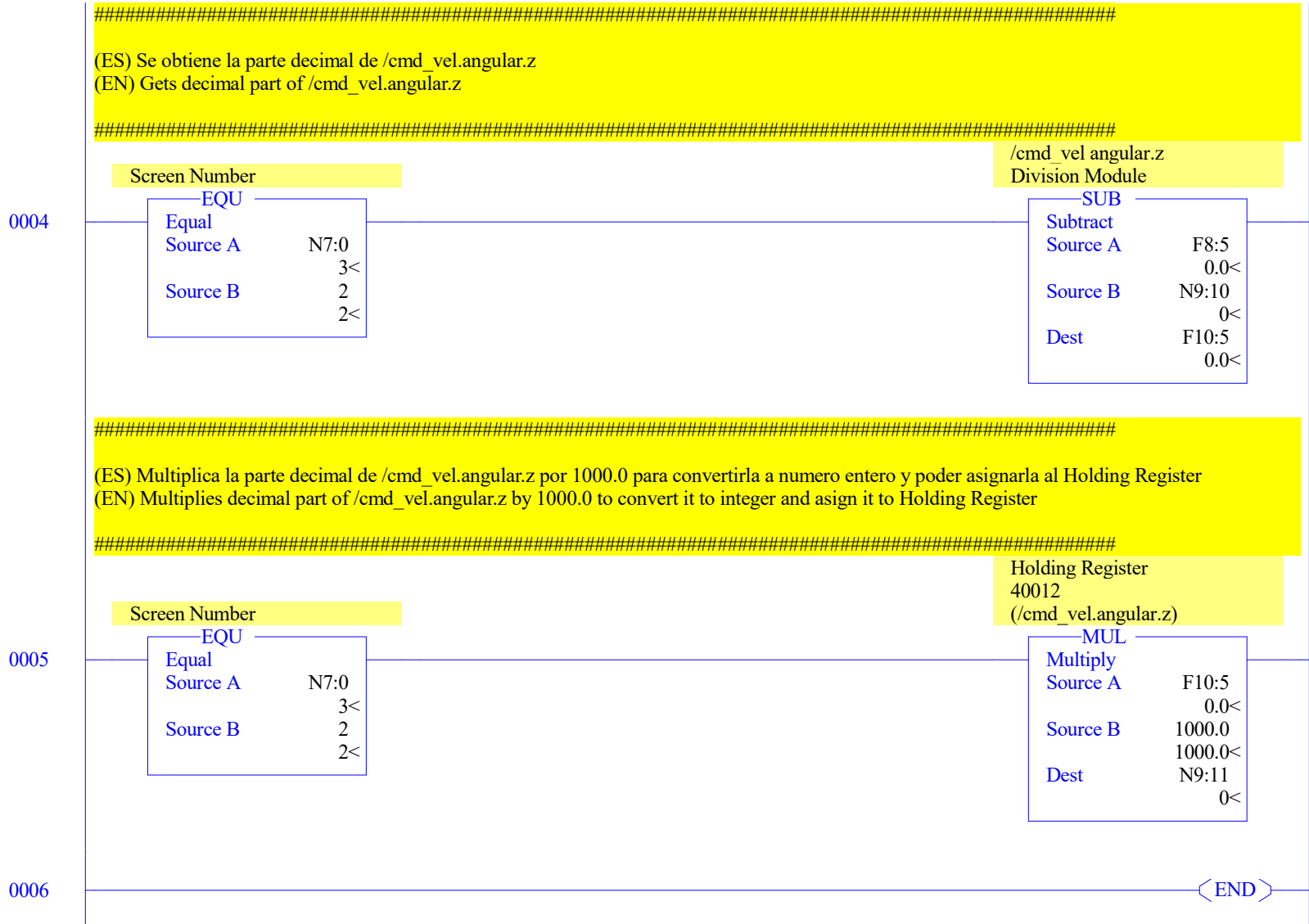
1

1<

Dest

N9:10

0<

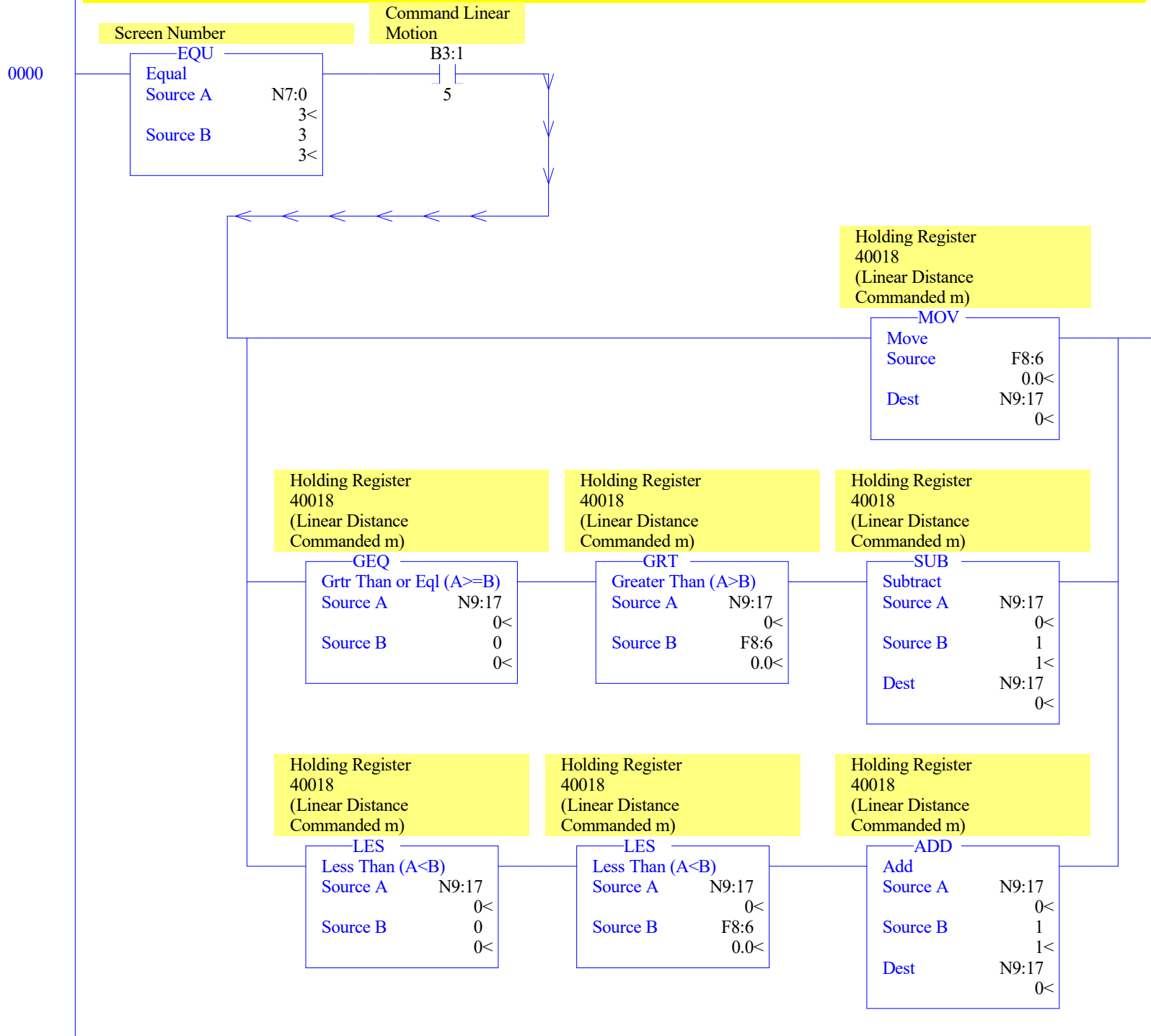


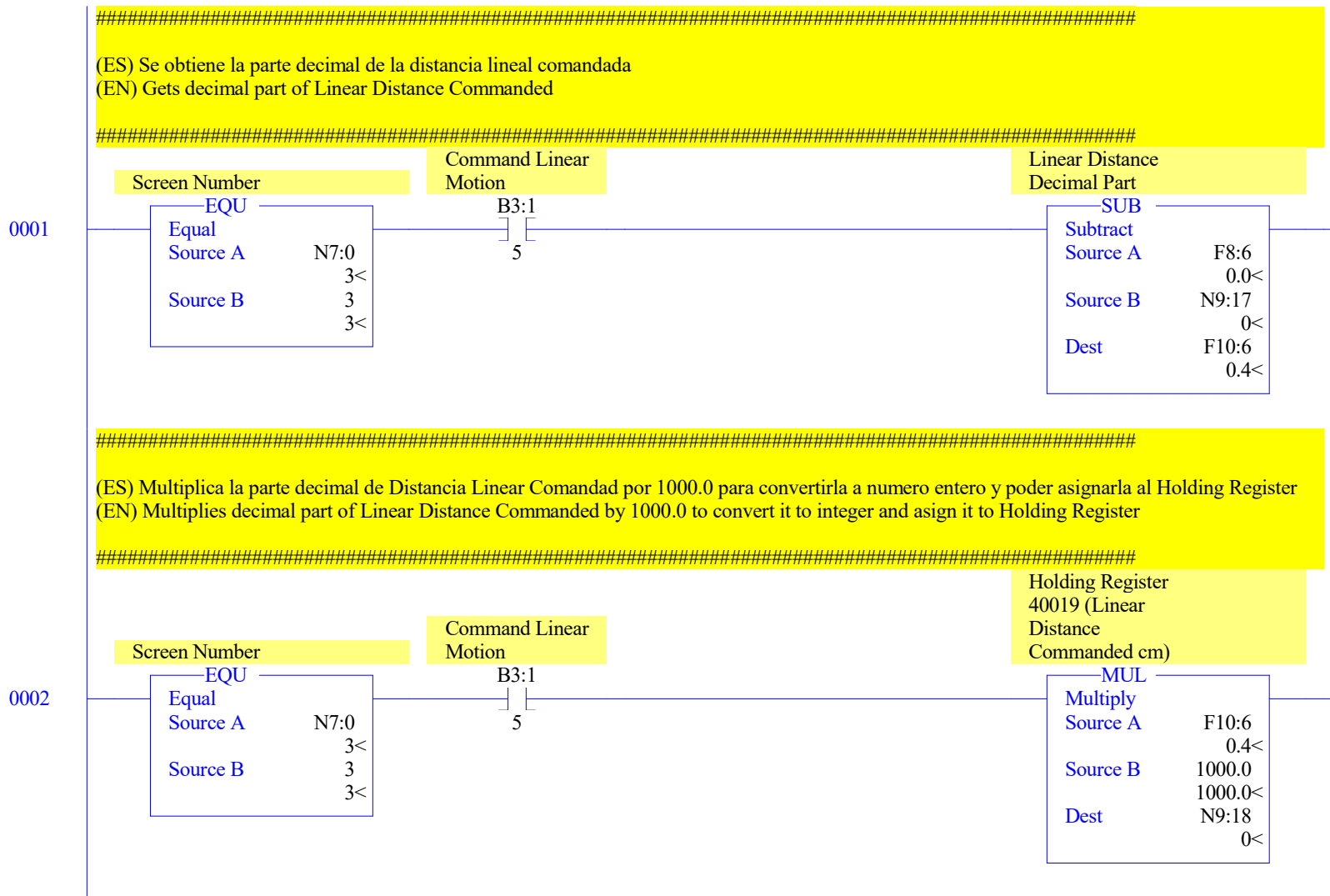
#####

(ES) Este renglon lee el valor de F8:9 (Distancia Linear Comandada) del HMI y lo mueve a N9:17. Debido a que esta fansion redondea el valor en lugar de truncarlo, la segunda y tercer rama de la logica corrigen el error en caso de existir.

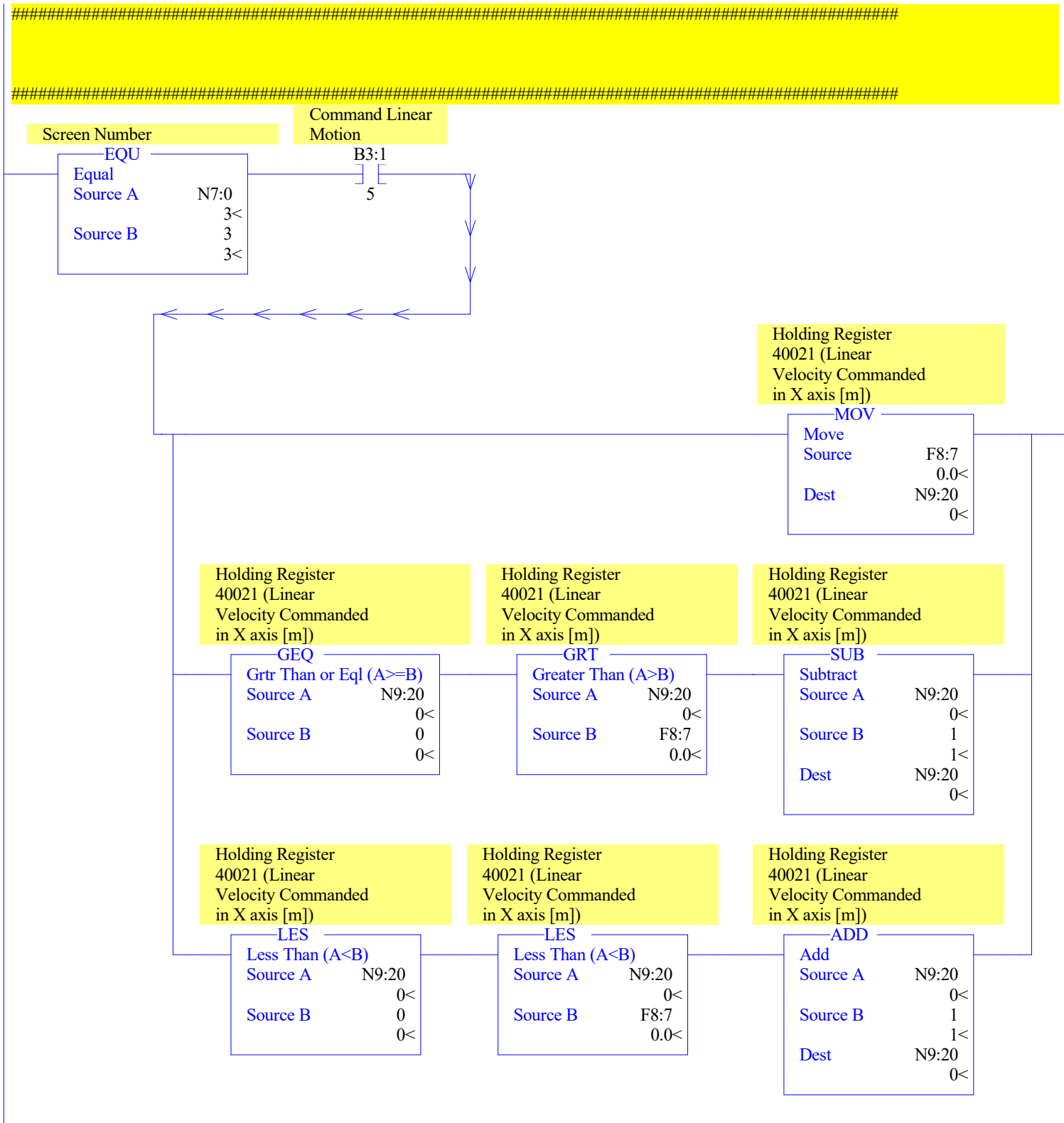
(EN) This rung reads F8:9 (Linear Distance Commanded) from HMI and moves it to N9:17. Due to it rounds the value instead of truncate it, second and third branches correct error if any.

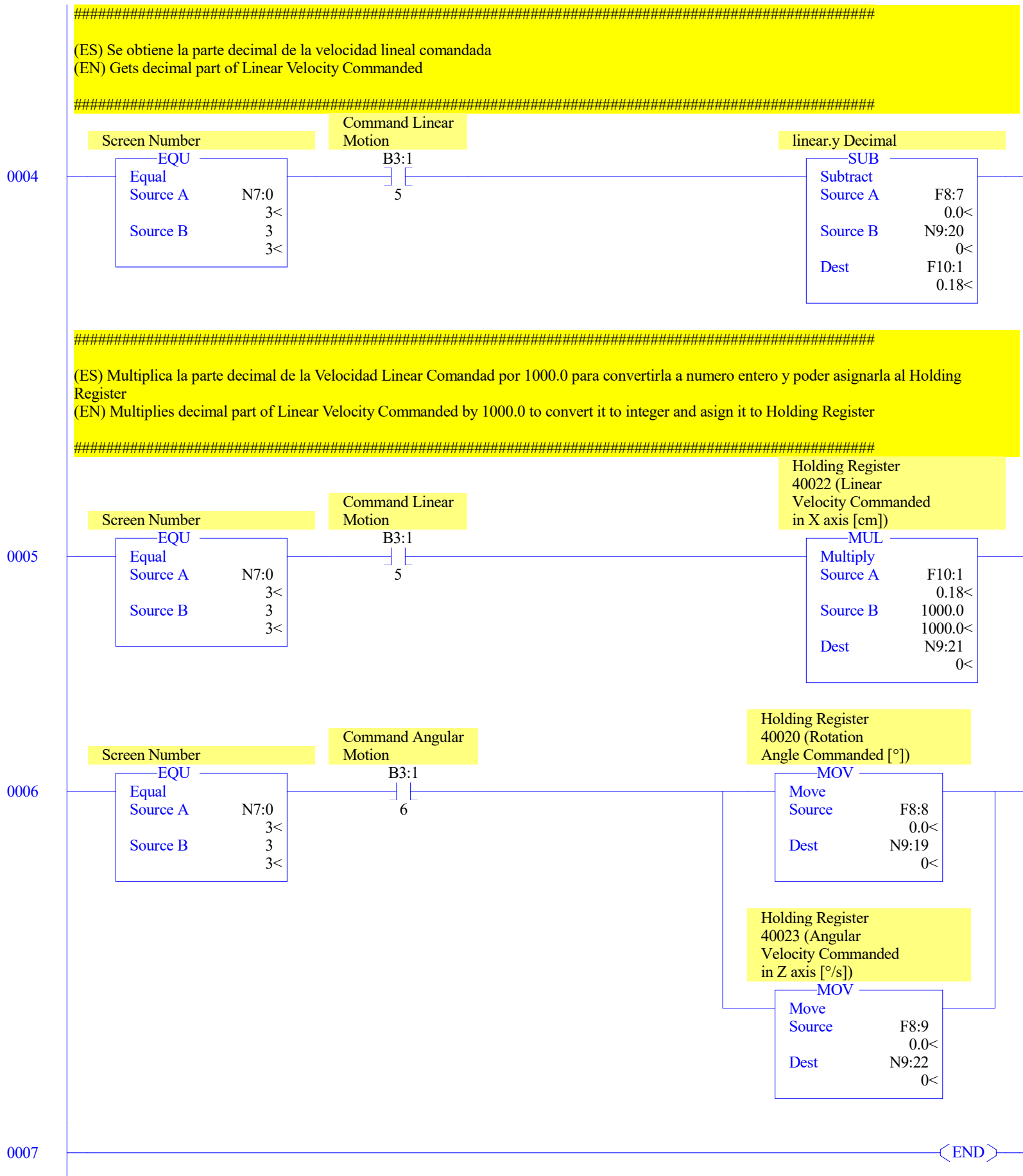
#####





0003





PLC_TO_MODBUS																
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	Bul.1766
O:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766
O:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766
O:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766
O:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766
O:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766
																MicroLogix 1400 Series B

PLC_TO_MODBUS																					
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	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Bul.1766	MicroLogix	1400	Series B	
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	
I:0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1766	MicroLogix	1400	Series B	

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 = 1001-1111-0111-0011

Proc

OS Catalog Number S:57 = 1400 User Program Type S:63 = 9108h
OS Series S:58 = B Compiler Revision Number S:64 =
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = C
Processor FRN S:62 =

Scan Times

Maximum (x10 ms) S:22 = 17
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 6
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 = 1
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

Forces

Forces Enabled S:1/5 = No
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	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
B3:4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
B3:31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Offset	EN	TT	DN	BASE	PRE	ACC	(Symbol)	Description
T4:0	0	0	0	.01 sec	0	0		

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

Offset	EN	EU	DN	EM	ER	UL	IN	FD	LEN	POS	(Symbol)	Description
R6:0	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	3	0	0	0	0	0	0	0	0	0
N7:10	0	0	0	0	0	0	0	0	0	0

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0	0	0	0	0	0
F8:5	0	0	0	0	0

	Data File N9 (dec) -- HOLD_REG									
Offset	0	1	2	3	4	5	6	7	8	9
N9:0	0	0	0	0	0	0	0	0	0	0
N9:10	0	0	0	0	0	0	0	0	0	0
N9:20	0	0	0	0	0					

Data File F10 -- DECIMALES

Offset	0	1	2	3	4
F10:0	0.03	0.18	0	0	0
F10:5	0	0.4			

Data File N11 (dec)

Offset	0	1	2	3	4	5	6	7	8	9
N11:0	5	240	0	0	0	0				

Address (Symbol) = Value [Description]

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code
B3:0/15			Stop Robot PB		
B3:1/0			Add 0.01 to /cmd_vel.linear.x PB		
B3:1/1			Subtract 0.01 to /cmd_vel.linear.x PB		
B3:1/2			Add 0.05 to /cmd_vel.angular.z PB		
B3:1/3			Subtract 0.05 to /cmd_vel.angular.z PB		
B3:1/5			Command Linear Motion		
B3:1/6			Command Angular Motion		
B3:1/10			Add 0.05 to /cmd_vel.angular.z PB		
B3:1/11			Subtract 0.05 to /cmd_vel.angular.z PB		
B3:2/0					
B3:2/1					
B3:2/11					
B3:4/0					
F8:0			/cmd_vel.linear.x From HMI		
F8:1			/cmd_vel.linear.y From HMI (Unused in TB3)		
F8:2			/cmd_vel.linear.z From HMI (Unused in TB3)		
F8:3			/cmd_vel.angular.x From HMI (Unused in TB3)		
F8:4			/cmd_vel.angular.y From HMI (Unused in TB3)		
F8:5			/cmd_vel.angular.z From HMI		
F8:6			Linear Distance Commanded From HMI (m)		
F8:7			Linear Velocity Commanded From HMI (m/s)		
F8:8			Angular Rotation Commanded From HMI (°)		
F8:9			Angular Velocity Commanded From HMI (°/s)		
F10:0			/cmd_vel.linear.x Division Module		
F10:1			linear.y Decimal		
F10:2			linear.z Decimal		
F10:3			angular.x Decimal		
F10:4			angular.y Decimal		
F10:5			/cmd_vel angular.z Division Module		
F10:6			Linear Distance Decimal Part		
N7:0			Screen Number		
N7:10			Rotation Angle Commanded From HMI (Deg)		
N9:0			Holding Register 40001 (/cmd_vel.linear.x)		
N9:1			Holding Register 40002 (/cmd_vel.linear.x)		
N9:2			Holding Register 40003 (/cmd_vel.linear.y)		
N9:3			Holding Register 40004 (/cmd_vel.linear.y)		
N9:4			Holding Register 40005 (/cmd_vel.linear.z)		
N9:5			Holding Register 40006 (/cmd_vel.linear.z)		
N9:6			Holding Register 40007 (/cmd_vel.angular.x)		
N9:7			Holding Register 40008 (/cmd_vel.angular.x)		
N9:8			Holding Register 40009 (/cmd_vel.angular.y)		
N9:9			Holding Register 40010 (/cmd_vel.angular.y)		
N9:10			Holding Register 40011 (/cmd_vel.angular.z)		
N9:11			Holding Register 40012 (/cmd_vel.angular.z)		
N9:12			Holding Register 40013 (Spare)		
N9:13			Holding Register 40014 (Spare)		
N9:14			Holding Register 40015 (Spare)		
N9:15			Holding Register 40016 (Spare)		
N9:16			Holding Register 40017 (Spare)		
N9:17			Holding Register 40018 (Linear Distance Commanded m)		
N9:18			Holding Register 40019 (Linear Distance Commanded cm)		
N9:19			Holding Register 40020 (Rotation Angle Commanded [°])		
N9:20			Holding Register 40021 (Linear Velocity Commanded in X axis [m])		
N9:21			Holding Register 40022 (Linear Velocity Commanded in X axis [cm])		
N9:22			Holding Register 40023 (Angular Velocity Commanded in Z axis [°/s])		
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		
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code
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		
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		

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group	Dev. Code
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		
U:3	HMI	Global			

Instruction Comment Database

Address	Instruction	Description
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Symbol Group Database

Group_Name	Description
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