

Name	Value	Data Type	Scope
AF_code	0	SINT	jvl_dvnet
Additional Fault Code			
AF_code - MainProgram/Main - *11(MOV)			
att_to_get	0	SINT	jvl_dvnet
att_to_get - MainProgram/_01_cmd - 1(MOV)			
att_to_get - MainProgram/Main - *3(MOV)			
att_to_set	13	SINT	jvl_dvnet
att_to_set - MainProgram/_01_cmd - 2(MOV)			
att_to_set - MainProgram/Main - *3(MOV)			
axis	1	SINT	jvl_dvnet
axis number 1-7			
axis - MainProgram/_01_cmd - 0(MUL)			
axis - MainProgram/_02_parameter - 0(MUL)			
axis - MainProgram/_03_set_target - 0(MUL), 1(MUL)			
axis - MainProgram/_04_set_velocity - 0(MUL), 1(MUL)			
axis - MainProgram/_05_set_accel - 0(MUL), 1(MUL)			
axis - MainProgram/_06_set_decel - 0(MUL), 1(MUL)			
axis - MainProgram/Main - *1(MOV)			
axis1_responce		response	jvl_dvnet
axis1_responce - MainProgram/Main - *10(COP), 10(COP)			
axis1_responce.byte0	0	SINT	
status 1			
axis1_responce.byte1	0	SINT	
response data 1			
axis1_responce.byte2	0	SINT	
status 2			
axis1_responce.byte3	0	SINT	
response type and axis			
axis1_responce.byte3 - MainProgram/Main - 10(AND)			
axis1_responce.byte4	7	SINT	
response data 2			
axis1_responce.byte4 - MainProgram/Main - 11(MOV)			
axis1_responce.byte5	0	SINT	
response data 3			
axis1_responce.byte5 - MainProgram/Main - 11(MOV)			
axis1_responce.byte6	0	SINT	
response data 4			
axis1_responce.byte7	-128	SINT	
response data 5			
block	0	SINT	jvl_dvnet
block - MainProgram/_03_set_target - 2(MOV)			
block - MainProgram/_04_set_velocity - 2(MOV)			
block - MainProgram/_05_set_accel - 2(MOV)			
block - MainProgram/_06_set_decel - 2(MOV)			
change_parameter	0	BOOL	jvl_dvnet
set or get parameter			
change_parameter - MainProgram/Main - *8(OTU), 8(XIC)			
dummy	0	BOOL	jvl_dvnet
dummy - MainProgram/Main - *2(OTE)			
enable1	0	BOOL	jvl_dvnet
enable axis 1			
Alias For:		Local:1:O.Data[0].7	
Base Tag:		Local:1:O.Data[0].7	
enable1 - MainProgram/Main - *9(OTU), 2(XIC), 9(XIC)			
Local:1:O.Data - MainProgram/_10_send_axis1 - *0(COP)			

enable1 (Continued)			
<i>Local:1:O.Data[0] - MainProgram/_10_send_axis1 - 0(MVM)</i>			
enabled1	0	BOOL	jvl_dvnet
axis 1 enabled			
Alias For:	Local:1:I.Data[0].7		
Base Tag:	Local:1:I.Data[0].7		
<i>enabled1 - MainProgram/Main - 2(XIC)</i>			
fault_word	0	INT	jvl_dvnet
fault word read from reg 35			
<i>fault_word - MainProgram/Main - *10(COP), *9(CLR)</i>			
fault1	0	BOOL	jvl_dvnet
General Fault axis 1			
Alias For:	Local:1:I.Data[0].3		
Base Tag:	Local:1:I.Data[0].3		
<i>fault1 - MainProgram/Main - 2(XIC), 9(XIC)</i>			
GF_code	0	SINT	jvl_dvnet
General Fault Code			
<i>GF_code - MainProgram/Main - *11(MOV)</i>			
incremental1	0	BOOL	jvl_dvnet
set for incremental move			
Alias For:	Local:1:O.Data[0].2		
Base Tag:	Local:1:O.Data[0].2		
<i>incremental1 - MainProgram/Main - 2(XIC)</i>			
<i>Local:1:O.Data - MainProgram/_10_send_axis1 - *0(COP)</i>			
<i>Local:1:O.Data[0] - MainProgram/_10_send_axis1 - 0(MVM)</i>			
init1	1	BOOL	jvl_dvnet
booleans			
Alias For:	PC_cmd.controls.0		
Base Tag:	PC_cmd.controls.0		
<i>init1 - MainProgram/_10_send_axis1 - *0(OTL)</i>			
<i>PC_cmd - MainProgram/_03_set_target - *4(COP)</i>			
<i>PC_cmd - MainProgram/_04_set_velocity - *4(COP)</i>			
<i>PC_cmd - MainProgram/_05_set_accel - *4(COP)</i>			
<i>PC_cmd - MainProgram/_06_set_decel - *4(COP)</i>			
<i>PC_cmd - MainProgram/_10_send_axis1 - 0(COP)</i>			
<i>PC_cmd.controls - MainProgram/_10_send_axis1 - *0(MVM)</i>			
load_done1	0	BOOL	jvl_dvnet
set when command load completed			
Alias For:	Local:1:I.Data[0].23		
Base Tag:	Local:1:I.Data[0].23		
<i>load_done1 - MainProgram/Main - 10(XIC), 3(XIO), 4(XIO), 5(XIO), 6(XIO), 7(XIO), 8(XIO), 9(XIO)</i>			
load_start1	0	BOOL	jvl_dvnet
initiate command load			
Alias For:	Local:1:O.Data[0].0		
Base Tag:	Local:1:O.Data[0].0		
<i>load_start1 - MainProgram/_10_send_axis1 - *1(OTL)</i>			
<i>load_start1 - MainProgram/Main - *10(OTU)</i>			
<i>Local:1:O.Data - MainProgram/_10_send_axis1 - *0(COP)</i>			
<i>Local:1:O.Data[0] - MainProgram/_10_send_axis1 - 0(MVM)</i>			
Local:1:I		AB:1769_SDN_144Bytes:I:0	jvl_dvnet
Local:1:I.Data		DINT	
Local:1:I.Data[0]	536871044	DINT	
Local:1:I.Data[0].3	0	BOOL	
<i>fault1 - MainProgram/Main - 2(XIC), 9(XIC)</i>			
Local:1:I.Data[0].7	0	BOOL	

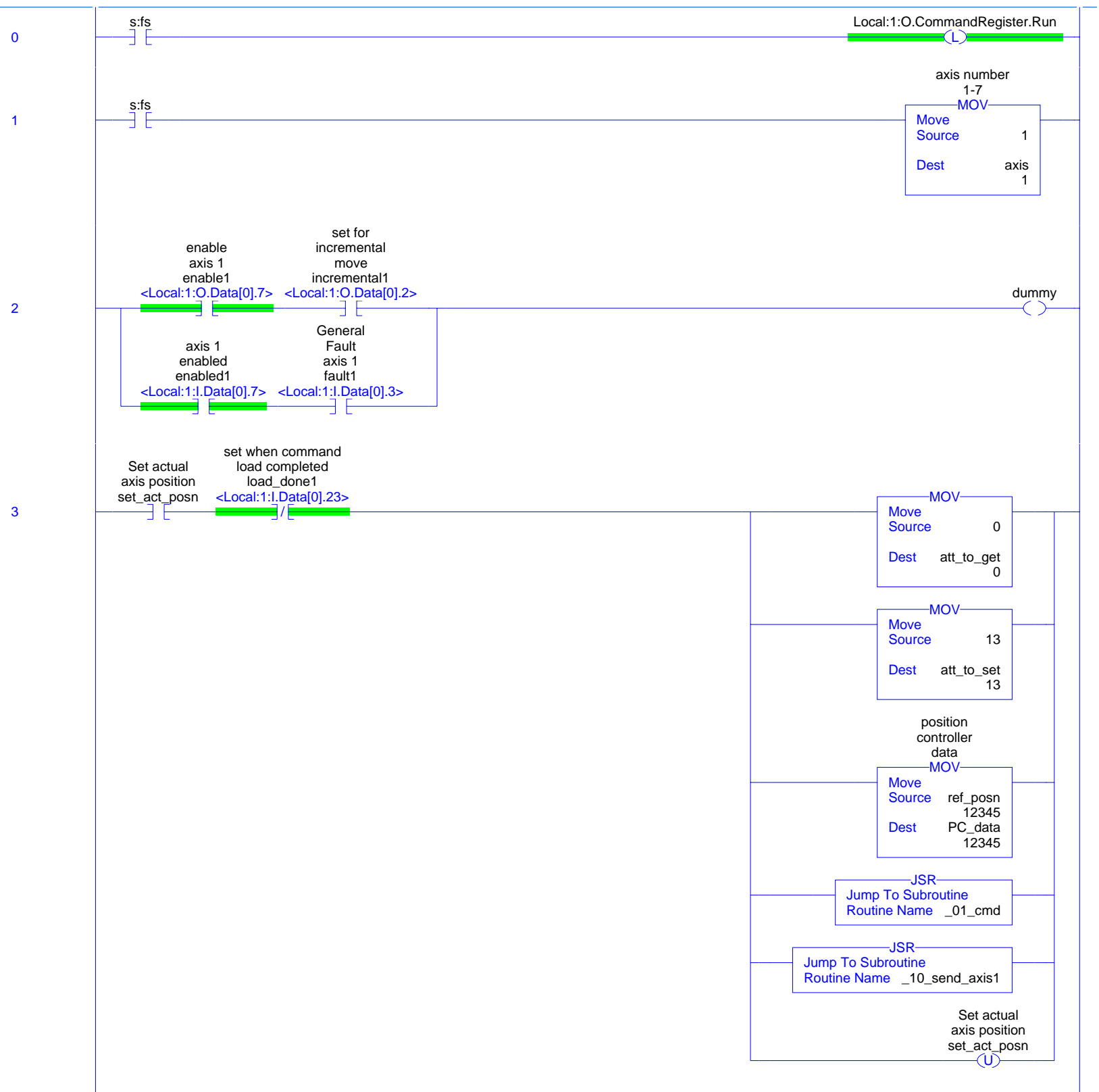
Local:1:I (Continued)			
<i>enabled1 - MainProgram/Main - 2(XIC)</i>			
Local:1:I.Data[0].23	0	BOOL	
<i>load_done1 - MainProgram/Main - 10(XIC), 3(XIO), 4(XIO), 5(XIO), 6(XIO), 7(XIO), 8(XIO), 9(XIO)</i>			
Local:1:O			
		AB:1769_SDN_12Bytes:O:0	jvl_dvnet
Local:1:O.CommandRegister		AB:1769_SDN_CommandRegister:O:0	
Local:1:O.CommandRegister.Run 1			
<i>Local:1:O.CommandRegister.Run - MainProgram/Main - *0(OTL)</i>			
Local:1:O.Data		DINT	
<i>Local:1:O.Data - MainProgram/_10_send_axis1 - *0(COP)</i>			
Local:1:O.Data[0]	572653696	DINT	
<i>Local:1:O.Data[0] - MainProgram/_10_send_axis1 - 0(MVM)</i>			
Local:1:O.Data[0].0	0	BOOL	
<i>load_start1 - MainProgram/_10_send_axis1 - *1(OTL)</i>			
<i>load_start1 - MainProgram/Main - *10(OTU)</i>			
Local:1:O.Data[0].2	0	BOOL	
<i>incremental1 - MainProgram/Main - 2(XIC)</i>			
Local:1:O.Data[0].7	0	BOOL	
<i>enable1 - MainProgram/Main - *9(OTU), 2(XIC), 9(XIC)</i>			
Local:1:O.Data[1]	5000	DINT	
move_cmd			
		CMD_01	jvl_dvnet
use this command structure for velocity/acc/dec or target change messages			
<i>move_cmd - MainProgram/_04_set_velocity - *3(COP), 4(COP)</i>			
<i>move_cmd - MainProgram/_05_set_accel - *3(COP), 4(COP)</i>			
<i>move_cmd - MainProgram/_06_set_decel - *3(COP), 4(COP)</i>			
move_cmd.controls	0	SINT	
use this command structure for velocity/acc/dec or target change messages booleans			
move_cmd.Block	0	SINT	
use this command structure for velocity/acc/dec or target change messages Block #			
<i>move_cmd.Block - MainProgram/_04_set_velocity - *2(MOV)</i>			
<i>move_cmd.Block - MainProgram/_05_set_accel - *2(MOV)</i>			
<i>move_cmd.Block - MainProgram/_06_set_decel - *2(MOV)</i>			
move_cmd.command	34	SINT	
use this command structure for velocity/acc/dec or target change messages command type and axis			
<i>move_cmd.command - MainProgram/_04_set_velocity - *0(MUL), *0(OR), 0(OR)</i>			
<i>move_cmd.command - MainProgram/_05_set_accel - *0(MUL), *0(OR), 0(OR)</i>			
<i>move_cmd.command - MainProgram/_06_set_decel - *0(MUL), *0(OR), 0(OR)</i>			
move_cmd.responce	34	SINT	
use this command structure for velocity/acc/dec or target change messages response type and axis			
<i>move_cmd.responce - MainProgram/_04_set_velocity - *1(MUL), *1(OR), 1(OR)</i>			
<i>move_cmd.responce - MainProgram/_05_set_accel - *1(MUL), *1(OR), 1(OR)</i>			
<i>move_cmd.responce - MainProgram/_06_set_decel - *1(MUL), *1(OR), 1(OR)</i>			
move_cmd.byte0	-120	SINT	
use this command structure for velocity/acc/dec or target change messages attribute value low byte			
move_cmd.byte1	19	SINT	
use this command structure for velocity/acc/dec or target change messages low middle byte			
move_cmd.byte2	0	SINT	
use this command structure for velocity/acc/dec or target change messages hi middle byte			
move_cmd.byte4	0	SINT	
use this command structure for velocity/acc/dec or target change messages attribute value hi byte			
msg_fault			
		0	BOOL
			jvl_dvnet
fault occurred processing message			
<i>msg_fault - MainProgram/Main - *11(OTE)</i>			
new_accel			
		0	DINT
			jvl_dvnet
new acceleration value			
<i>new_accel - MainProgram/_05_set_accel - 3(COP)</i>			
<i>new_accel - MainProgram/Main - *6(MOV), 6(MOV)</i>			
new_decel			
		0	DINT
			jvl_dvnet

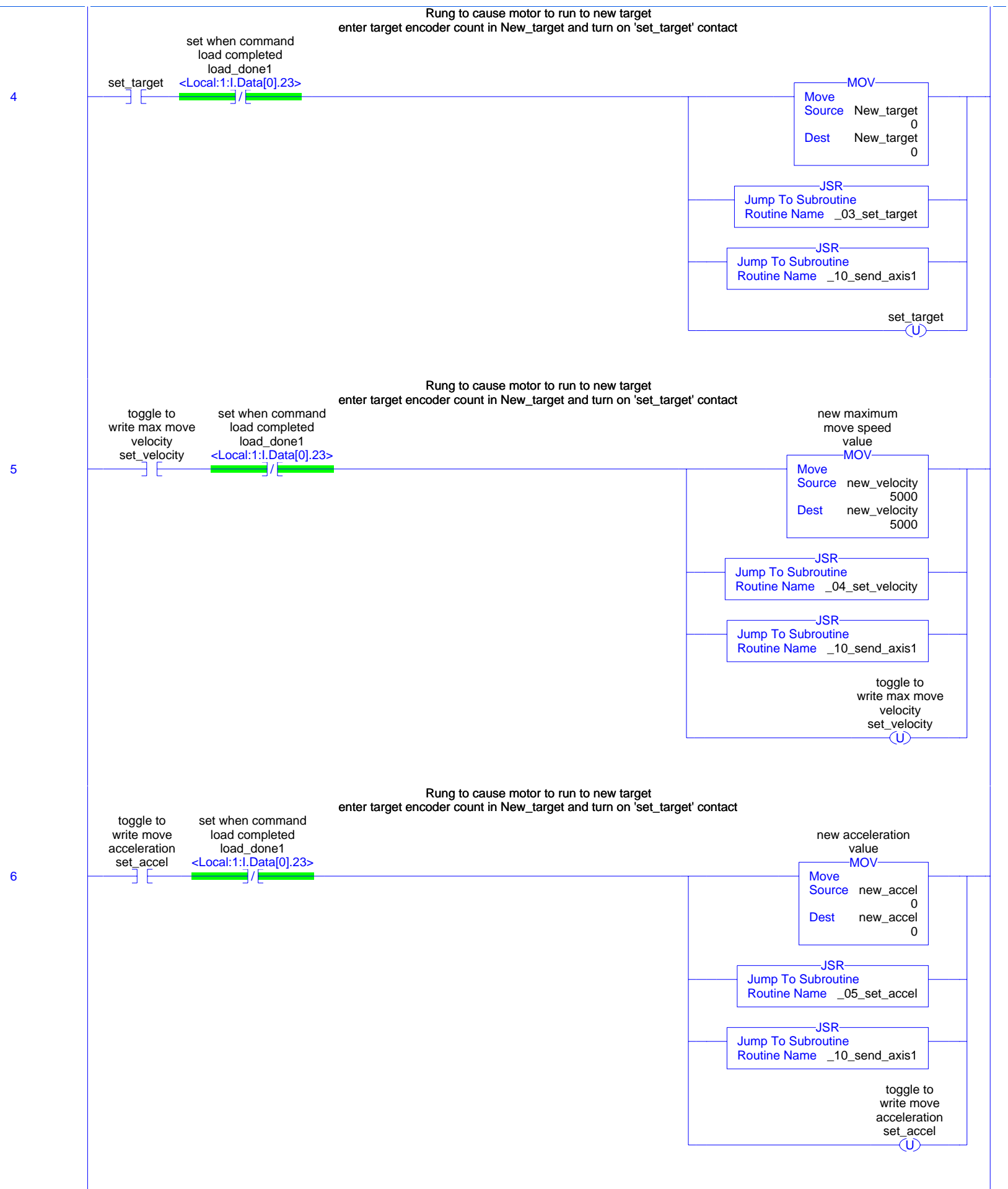
new_decel (Continued)			
New Deceleration value			
<i>new_decel</i> - <i>MainProgram/_06_set_decel</i> - 3(<i>COP</i>)			
<i>new_decel</i> - <i>MainProgram/Main</i> - *7(<i>MOV</i>), 7(<i>MOV</i>)			
New_target	0	DINT	jvl_dvnet
<i>New_target</i> - <i>MainProgram/_03_set_target</i> - 3(<i>COP</i>)			
<i>New_target</i> - <i>MainProgram/Main</i> - *4(<i>MOV</i>), 10(<i>COP</i>), 4(<i>MOV</i>)			
new_velocity	5000	DINT	jvl_dvnet
new maximum move speed value			
<i>new_velocity</i> - <i>MainProgram/_04_set_velocity</i> - 3(<i>COP</i>)			
<i>new_velocity</i> - <i>MainProgram/Main</i> - *5(<i>MOV</i>), 5(<i>MOV</i>)			
oneshots		BOOL[64]	jvl_dvnet
one-shots			
oneshots[0]	0	BOOL	
used			
<i>oneshots[0]</i> - <i>MainProgram/Main</i> - *10(<i>ONS</i>)			
oneshots[1]	0	BOOL	
used			
<i>oneshots[1]</i> - <i>MainProgram/Main</i> - *11(<i>ONS</i>)			
oneshots[2]	0	BOOL	
used			
<i>oneshots[2]</i> - <i>MainProgram/Main</i> - *9(<i>ONS</i>)			
param_to_get	0	SINT	jvl_dvnet
parameter number to read (register #)			
<i>param_to_get</i> - <i>MainProgram/_02_parameter</i> - 1(<i>MOV</i>)			
<i>param_to_get</i> - <i>MainProgram/Main</i> - *8(<i>MOV</i>), *9(<i>MOV</i>), 8(<i>MOV</i>)			
param_to_set	0	SINT	jvl_dvnet
parameter number to change (register #)			
<i>param_to_set</i> - <i>MainProgram/_02_parameter</i> - 2(<i>MOV</i>)			
<i>param_to_set</i> - <i>MainProgram/Main</i> - *8(<i>MOV</i>), *9(<i>MOV</i>), 8(<i>MOV</i>)			
parameter_data	0	DINT	jvl_dvnet
<i>parameter_data</i> - <i>MainProgram/_02_parameter</i> - 3(<i>COP</i>)			
<i>parameter_data</i> - <i>MainProgram/Main</i> - *8(<i>MOV</i>), 8(<i>MOV</i>)			
PC_cmd		CMD_1B	jvl_dvnet
Position Controller attribute command structure			
<i>PC_cmd</i> - <i>MainProgram/_01_cmd</i> - *3(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_02_parameter</i> - *3(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_03_set_target</i> - *4(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_04_set_velocity</i> - *4(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_05_set_accel</i> - *4(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_06_set_decel</i> - *4(<i>COP</i>)			
<i>PC_cmd</i> - <i>MainProgram/_10_send_axis1</i> - 0(<i>COP</i>)			
PC_cmd.controls	-127	SINT	
Position Controller attribute command structure booleans			
<i>PC_cmd.controls</i> - <i>MainProgram/_10_send_axis1</i> - *0(<i>MVM</i>)			
PC_cmd.controls.0	1	BOOL	
Position Controller attribute command structure booleans			
<i>init1</i> - <i>MainProgram/_10_send_axis1</i> - *0(<i>OTL</i>)			
PC_cmd.get	0	SINT	
Position Controller attribute command structure Attribute to get			
<i>PC_cmd.get</i> - <i>MainProgram/_01_cmd</i> - *1(<i>MOV</i>)			
<i>PC_cmd.get</i> - <i>MainProgram/_02_parameter</i> - *1(<i>MOV</i>)			
PC_cmd.type	34	SINT	
Position Controller attribute command structure type and axis			
<i>PC_cmd.type</i> - <i>MainProgram/_01_cmd</i> - *0(<i>MUL</i>), *0(<i>OR</i>), 0(<i>OR</i>)			
<i>PC_cmd.type</i> - <i>MainProgram/_02_parameter</i> - *0(<i>MUL</i>), *0(<i>OR</i>), 0(<i>OR</i>)			
PC_cmd.set	34	SINT	

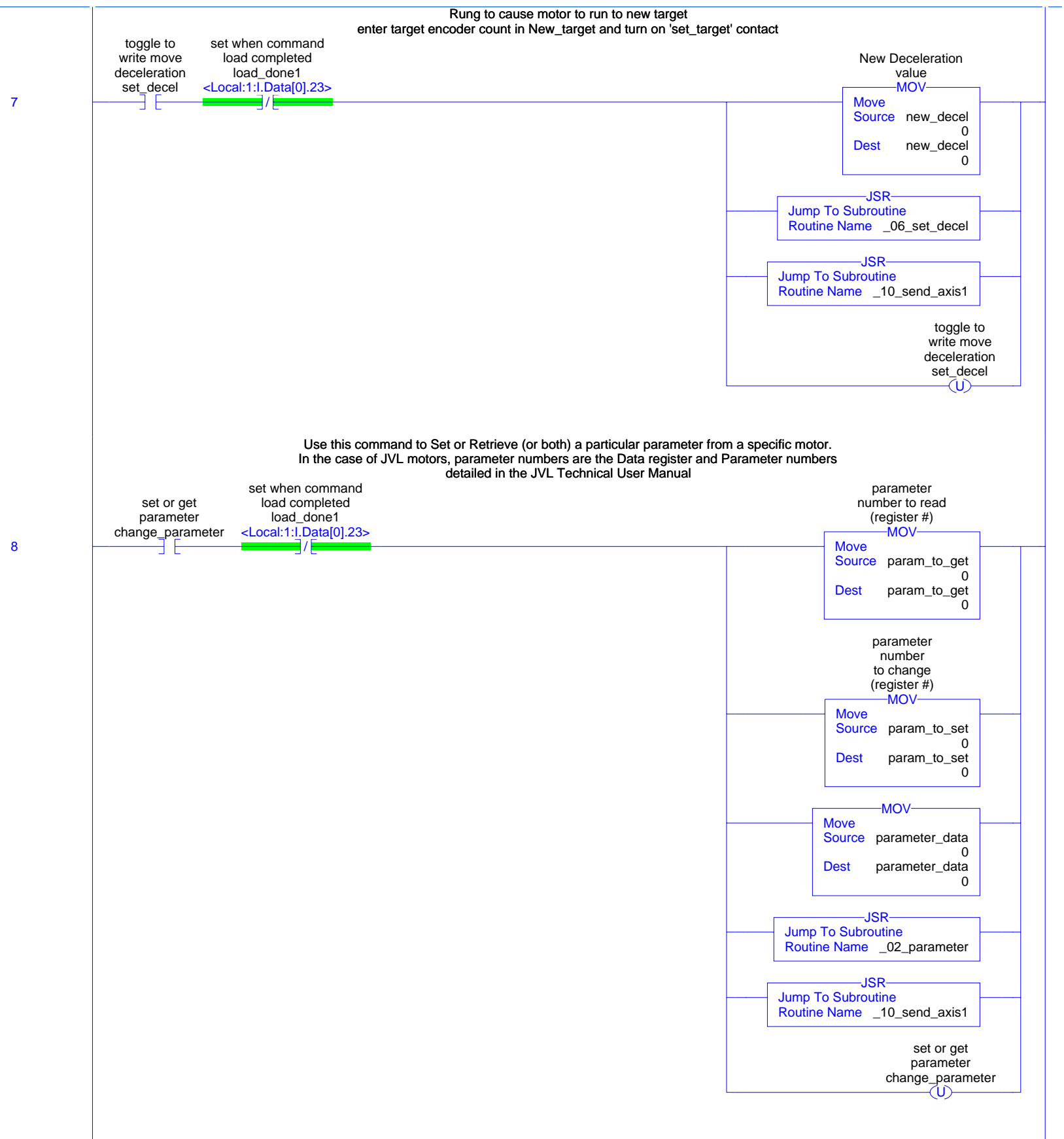
PC_cmd (Continued)			
Position Controller attribute command structure attribute to set			
<i>PC_cmd.set - MainProgram/_01_cmd - *2(MOV)</i>			
<i>PC_cmd.set - MainProgram/_02_parameter - *2(MOV)</i>			
PC_cmd.byte0	-120	SINT	
Position Controller attribute command structure attribute value low byte			
PC_cmd.byte1	19	SINT	
Position Controller attribute command structure low middle byte			
PC_cmd.byte2	0	SINT	
Position Controller attribute command structure hi middle byte			
PC_cmd.byte4	0	SINT	
Position Controller attribute command structure attribute value hi byte			
PC_data	12345	DINT	jvl_dvnet
position controller data			
<i>PC_data - MainProgram/_01_cmd - 3(COP)</i>			
<i>PC_data - MainProgram/Main - *3(MOV)</i>			
read_fault1	0	BOOL	jvl_dvnet
<i>read_fault1 - MainProgram/Main - *10(OTU), *9(OTL), 10(XIC)</i>			
ref_posn	12345	DINT	jvl_dvnet
new reference position			
<i>ref_posn - MainProgram/Main - 3(MOV)</i>			
responce_type	0	SINT	jvl_dvnet
<i>responce_type - MainProgram/Main - *10(AND), 11(EQU)</i>			
set_accel	0	BOOL	jvl_dvnet
toggle to write move acceleration			
<i>set_accel - MainProgram/Main - *6(OTU), 6(XIC)</i>			
set_act_posn	0	BOOL	jvl_dvnet
Set actual axis position			
<i>set_act_posn - MainProgram/Main - *3(OTU), 3(XIC)</i>			
set_decel	0	BOOL	jvl_dvnet
toggle to write move deceleration			
<i>set_decel - MainProgram/Main - *7(OTU), 7(XIC)</i>			
set_target	0	BOOL	jvl_dvnet
<i>set_target - MainProgram/Main - *4(OTU), 4(XIC)</i>			
set_velocity	0	BOOL	jvl_dvnet
toggle to write max move velocity			
<i>set_velocity - MainProgram/Main - *5(OTU), 5(XIC)</i>			
target_cmd		CMD_01	jvl_dvnet
Target position command type 01			
<i>target_cmd - MainProgram/_03_set_target - *3(COP), 4(COP)</i>			
target_cmd.controls	0	SINT	
Target position command type 01 booleans			
target_cmd.Block	0	SINT	
Target position command type 01 Block #			
<i>target_cmd.Block - MainProgram/_03_set_target - *2(MOV)</i>			
target_cmd.command	33	SINT	
Target position command type 01 command type and axis			
<i>target_cmd.command - MainProgram/_03_set_target - *0(MUL), *0(OR), 0(OR)</i>			
target_cmd.responce	33	SINT	
Target position command type 01 responce type and axis			
<i>target_cmd.responce - MainProgram/_03_set_target - *1(MUL), *1(OR), 1(OR)</i>			
target_cmd.byte0	0	SINT	
Target position command type 01 attribute value low byte			
target_cmd.byte1	0	SINT	

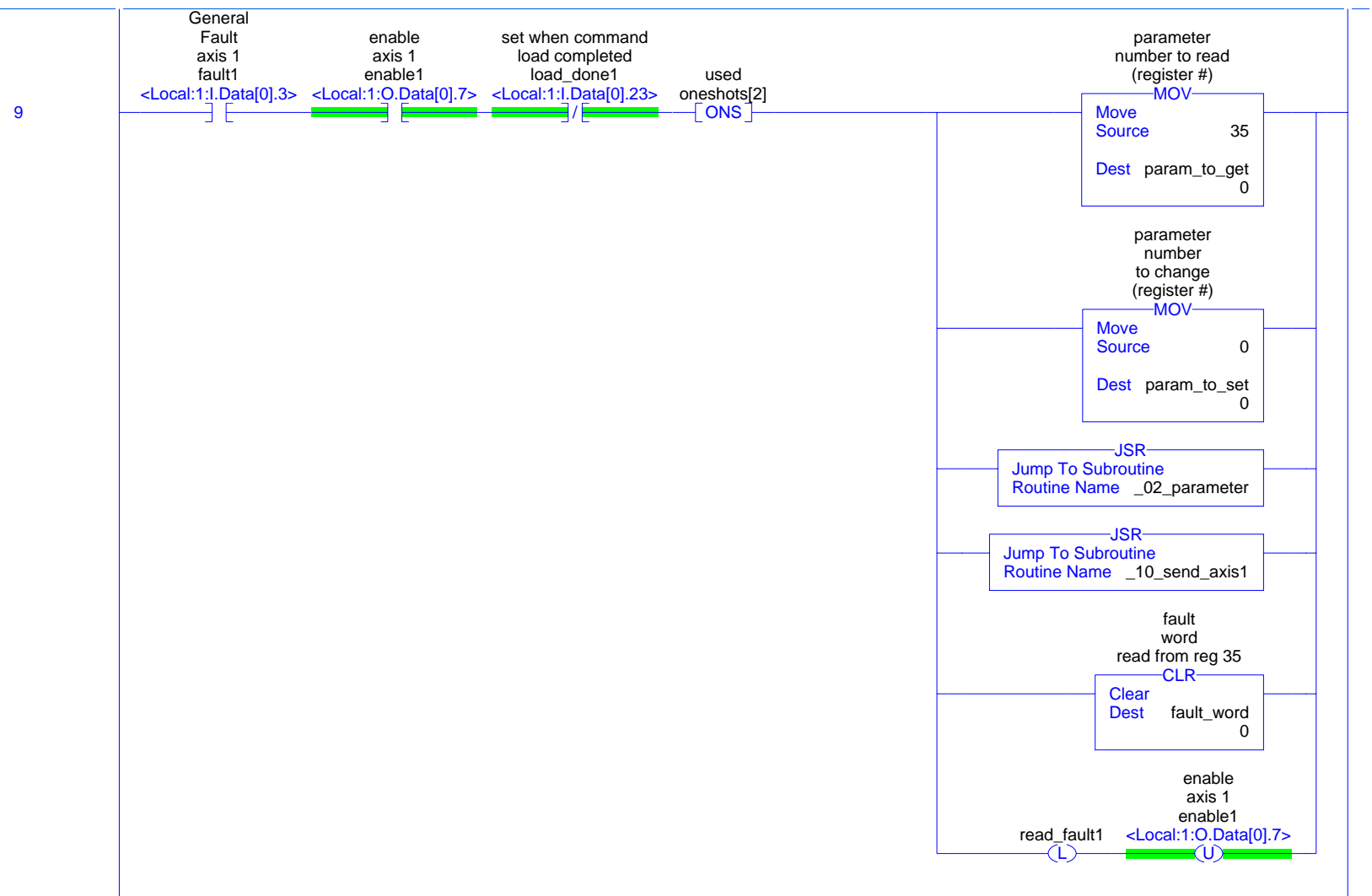
target_cmd (Continued)

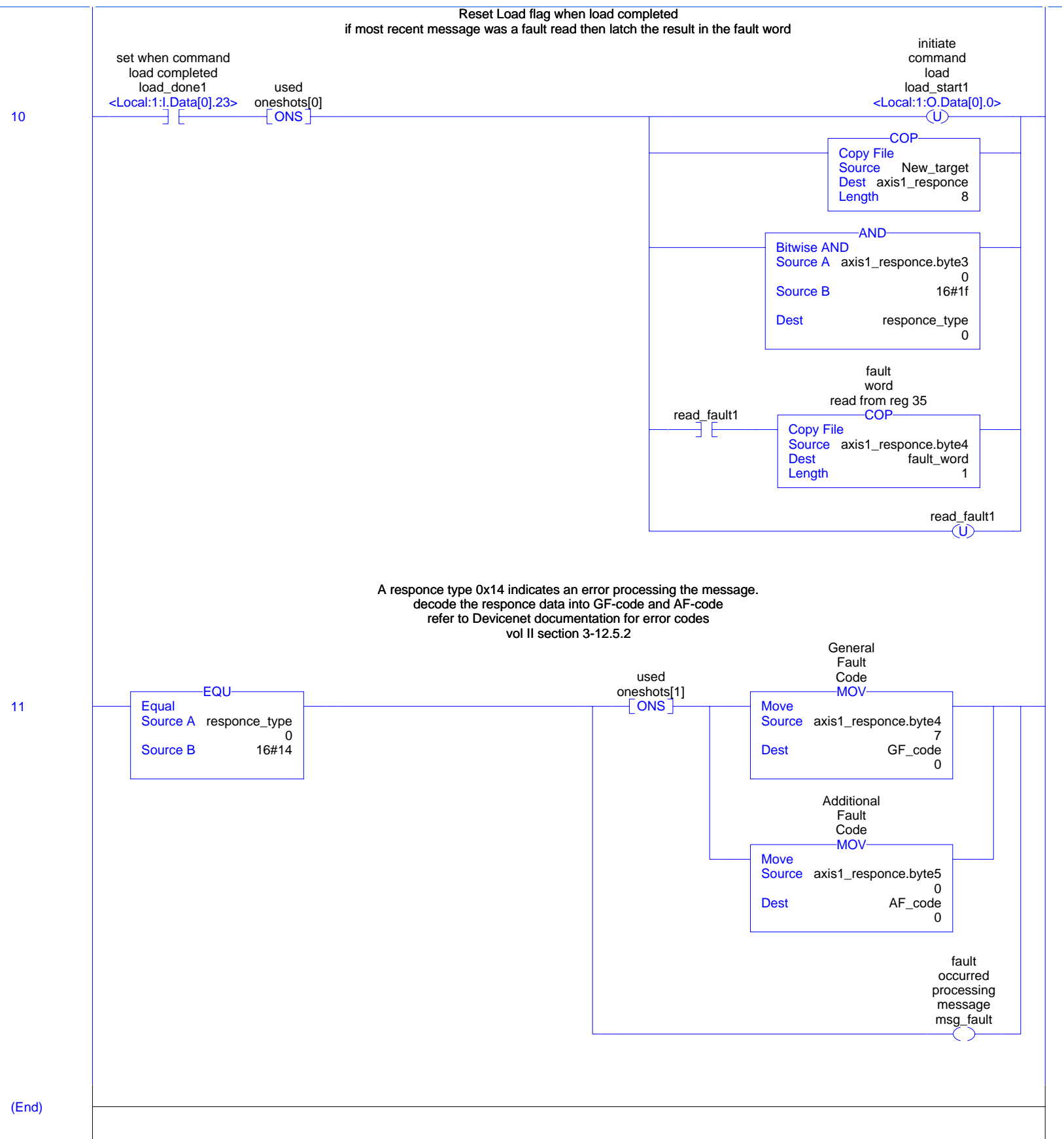
Target position command type 01 low middle byte		
target_cmd.byte2	0	SINT
Target position command type 01 hi middle byte		
target_cmd.byte4	0	SINT
Target position command type 01 attribute value hi byte		

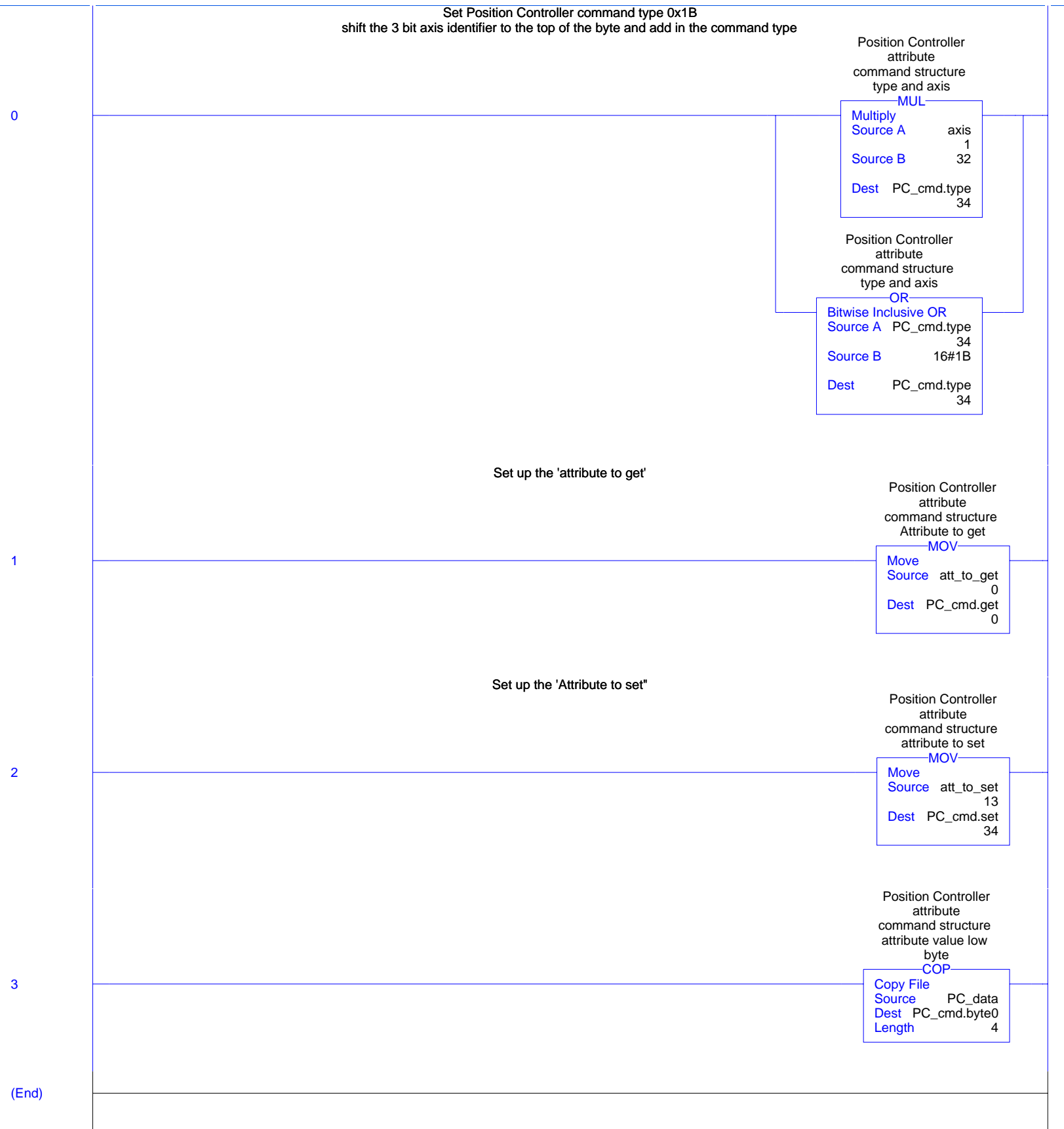


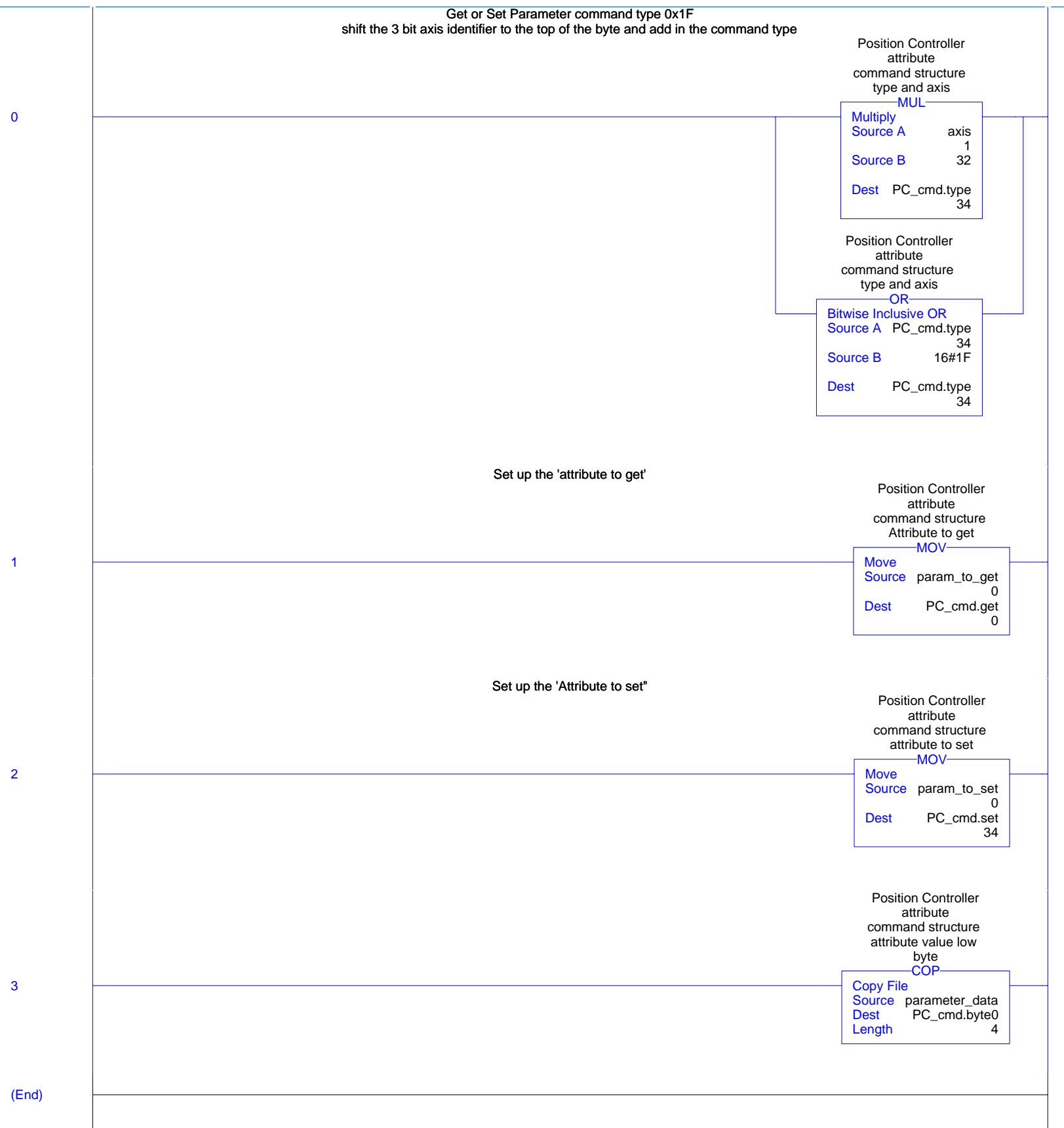


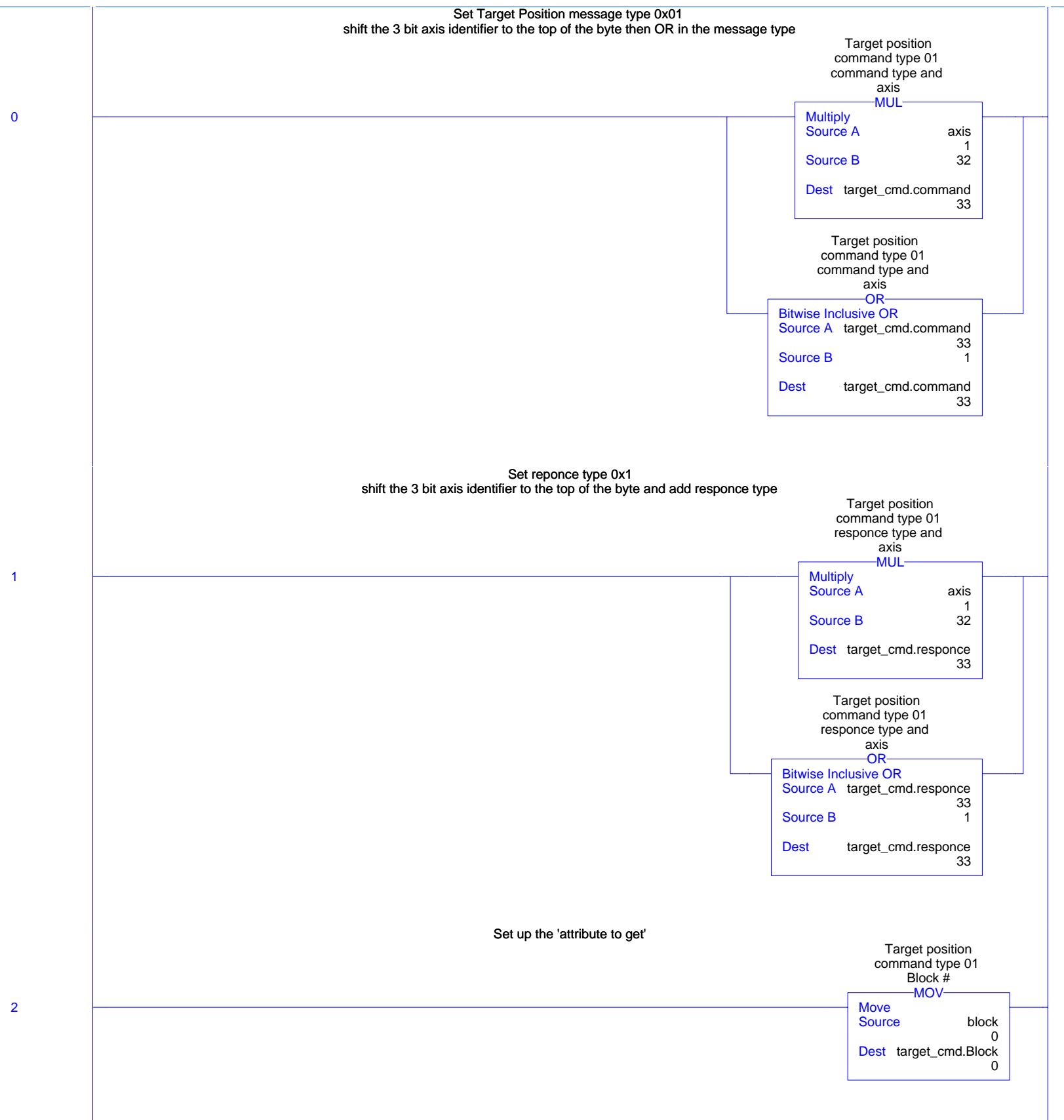


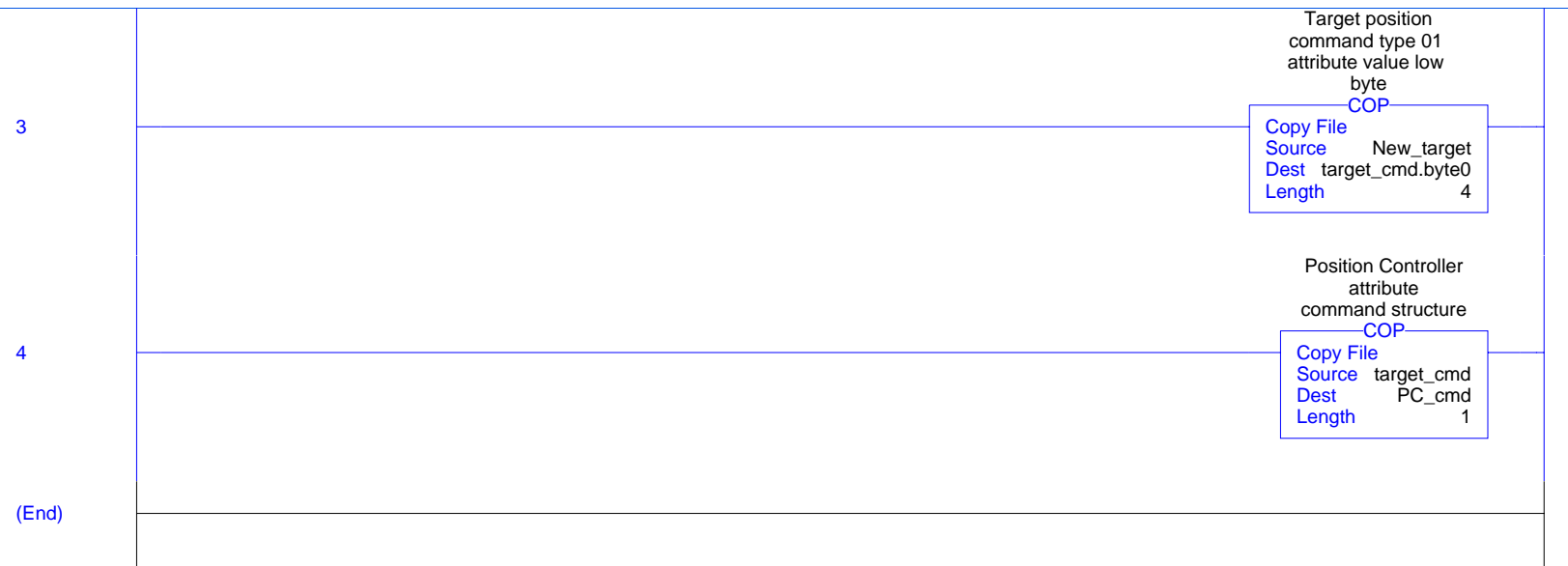


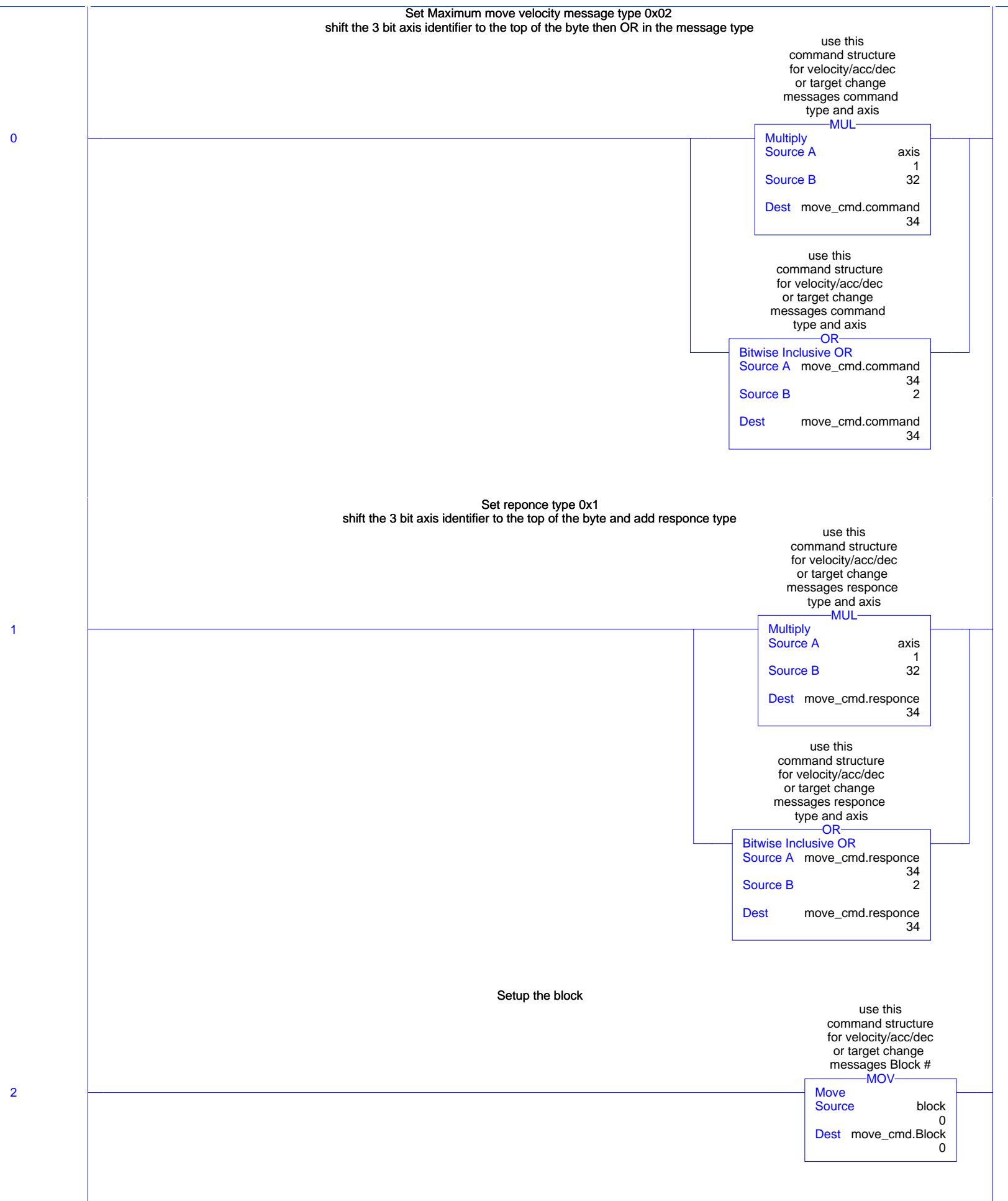


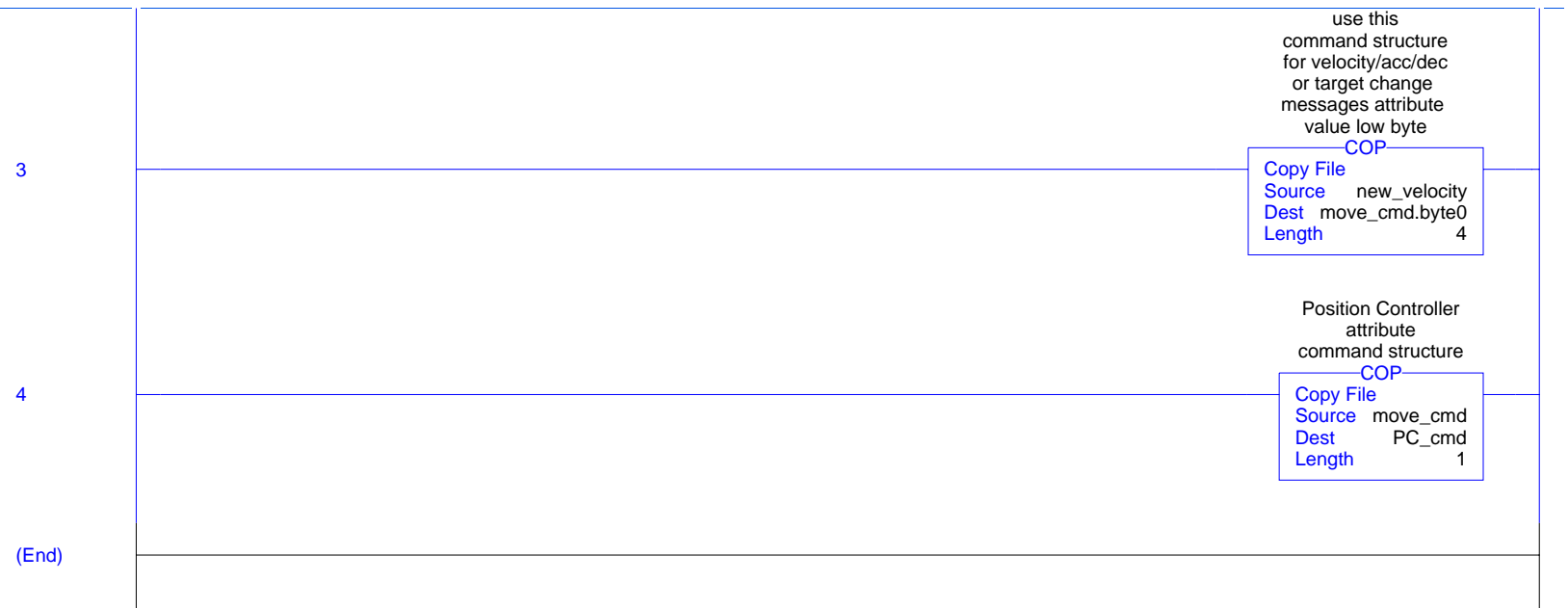


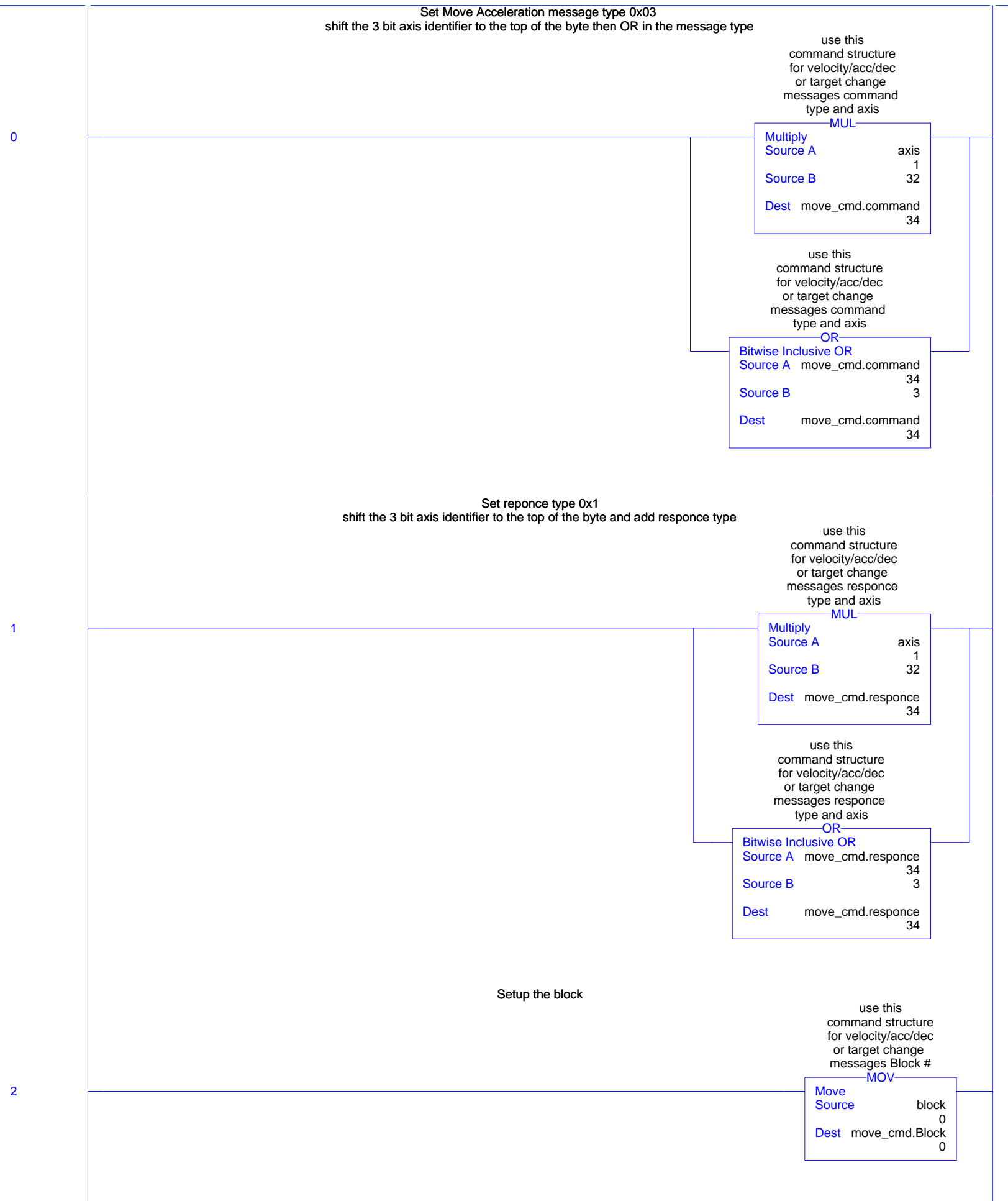


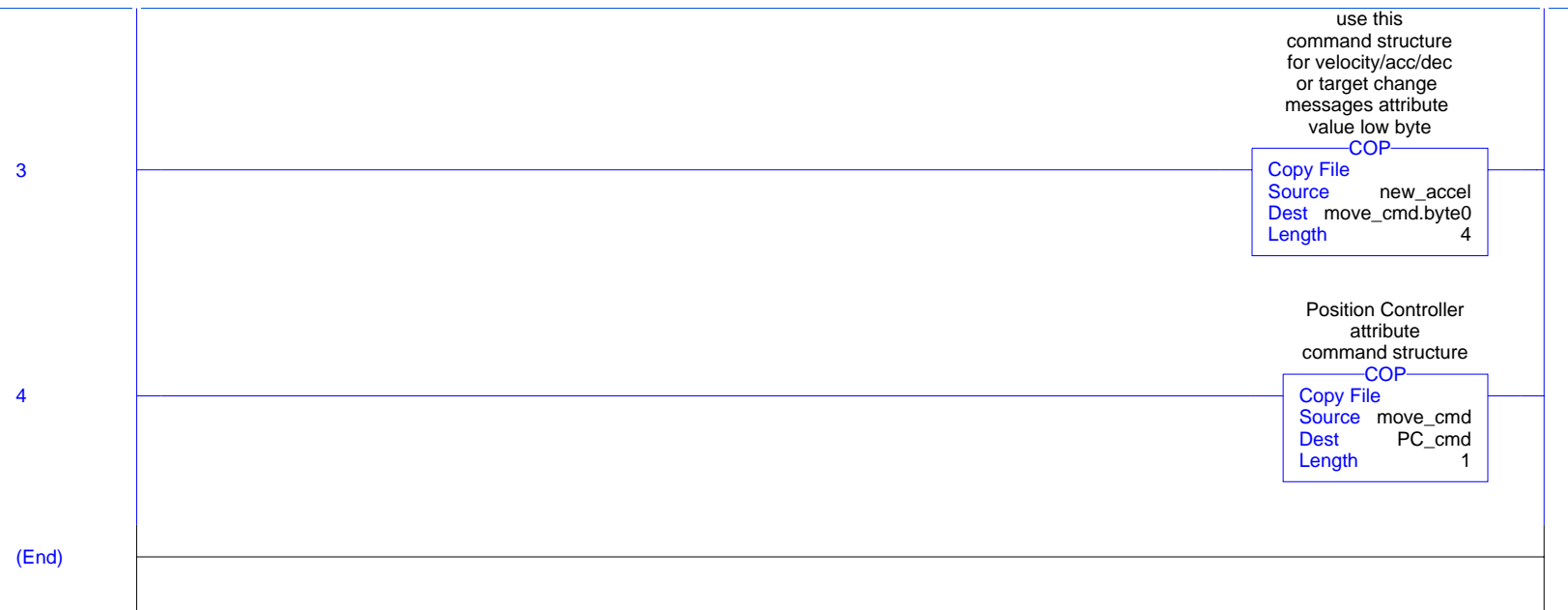


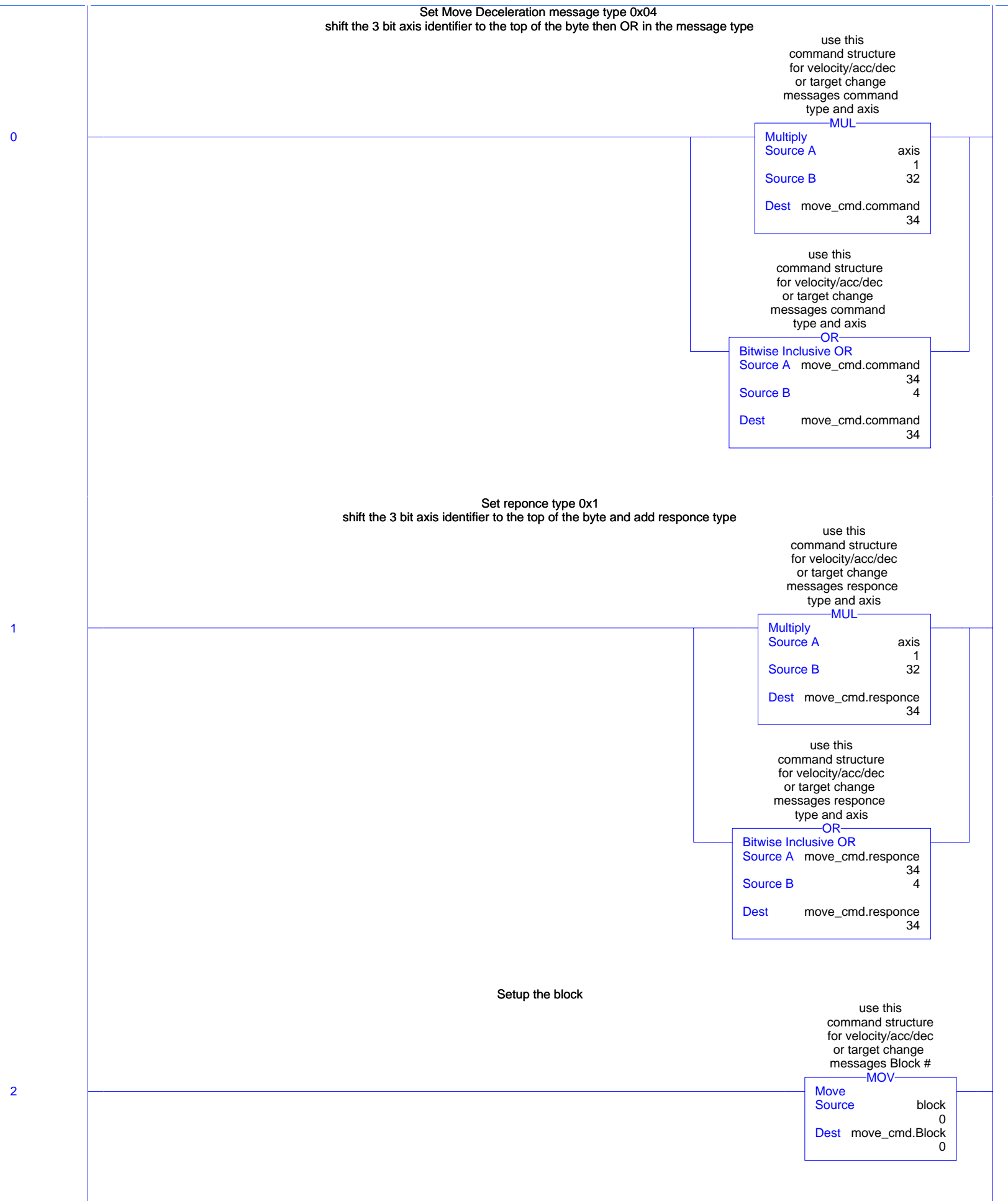


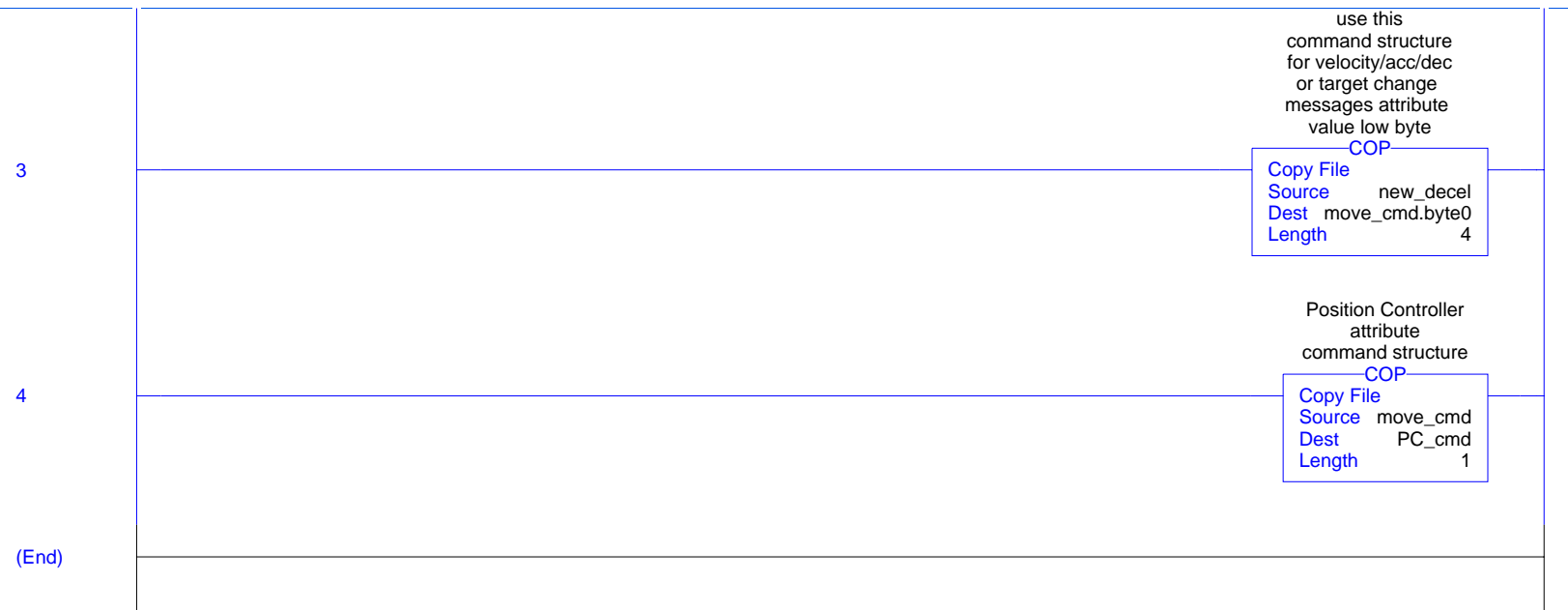


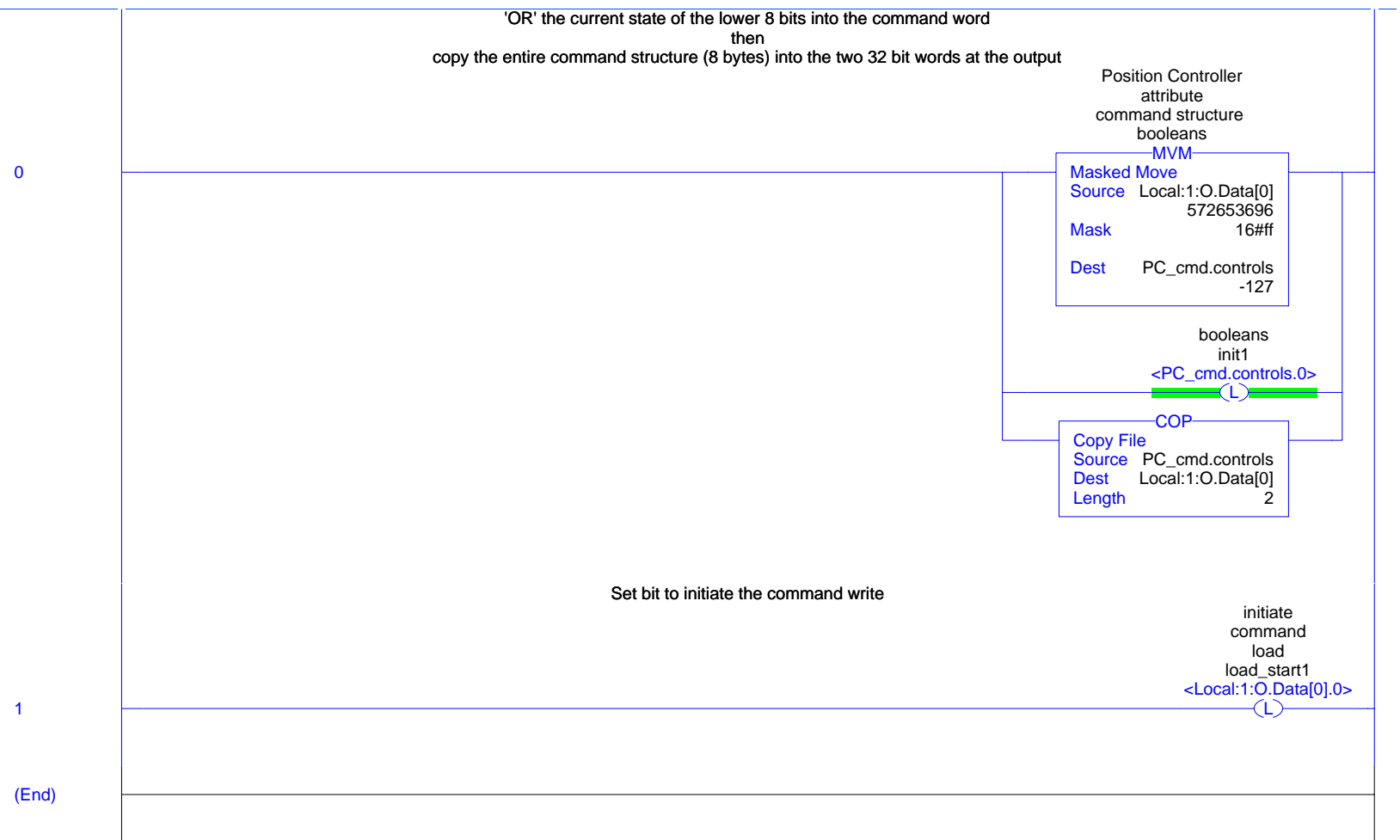












Data type Name: CMD_01

Description:
Position Controller
motion command

Size 8 byte(s)

Name	Data Type	Style	Description
controls	SINT	Decimal	booleans
Block	SINT	Decimal	Block #
command	SINT	Decimal	command type and axis
responce	SINT	Decimal	responce type and axis
byte0	SINT	Decimal	attribute value low byte
byte1	SINT	Decimal	low middle byte
byte2	SINT	Decimal	hi middle byte
byte4	SINT	Decimal	attribute value hi byte

Data type Name: CMD_1B

Description:
Position Controller
Attribute
command type 1B

Size 8 byte(s)

Name	Data Type	Style	Description
controls	SINT	Decimal	booleans
get	SINT	Decimal	Attribute to get
type	SINT	Decimal	type and axis
set	SINT	Decimal	attribute to set
byte0	SINT	Decimal	attribute value low byte
byte1	SINT	Decimal	low middle byte
byte2	SINT	Decimal	hi middle byte
byte4	SINT	Decimal	attribute value hi byte

Data type Name:

command

Description:

Size 8 byte(s)

Name	Data Type	Style	Description
byte0	SINT	Decimal	booleans
byte1	SINT	Decimal	command data 1
byte2	SINT	Decimal	type and axis
byte3	SINT	Decimal	command data 2
byte4	SINT	Decimal	command data 3
byte5	SINT	Decimal	command data 4
byte6	SINT	Decimal	command data 5
byte7	SINT	Decimal	command data 6

Data type Name:

response

Description:

Size 8 byte(s)

Name	Data Type	Style	Description
byte0	SINT	Decimal	status 1
byte1	SINT	Decimal	response data 1
byte2	SINT	Decimal	status 2
byte3	SINT	Decimal	response type and axis
byte4	SINT	Decimal	response data 2
byte5	SINT	Decimal	response data 3
byte6	SINT	Decimal	response data 4
byte7	SINT	Decimal	response data 5