

- Controller t
- Controller Fault Handler
- Power-Up Handler

Tasks

- MainTask
 - MainProgram
 - MainRoutine
 - Condtnng_sets
 - disp_byte_1_2
 - mode_select
 - 1=disabled, 2=standby, 3=shot, 4=sequence, 5=operator, 6=prime, 7=night
 - shot_seq

- Unscheduled Programs / Phases

Motion Groups

- Ungrouped Axes

Add-On Instructions

Data Types

- User-Defined

- input
- output1
- output3b
- S1
- S2
- S3
- S4
- S5

- Strings

- STRING

- Add-On-Defined

- Module-Defined

- AB:ETHERNET_MODULE:C:0
- AB:ETHERNET_MODULE_DINT_40Bytes:I:0
- AB:ETHERNET_MODULE_DINT_40Bytes:O:0
- AB:ETHERNET_MODULE_INT_20Bytes:I:0
- AB:ETHERNET_MODULE_INT_20Bytes:O:0
- AB:ETHERNET_MODULE_SINT_27Bytes:O:0
- AB:ETHERNET_MODULE_SINT_84Bytes:I:0

Trends




I/O Configuration

- 1768 Bus
 - [1] 1768-ENBT/A ttt
 - Ethernet
 - ETHERNET-MODULE gca
 - 1768-ENBT/A ttt
 - [0] 1768-L45 t
- 1769 Bus
 - [0] 1768-L45 t

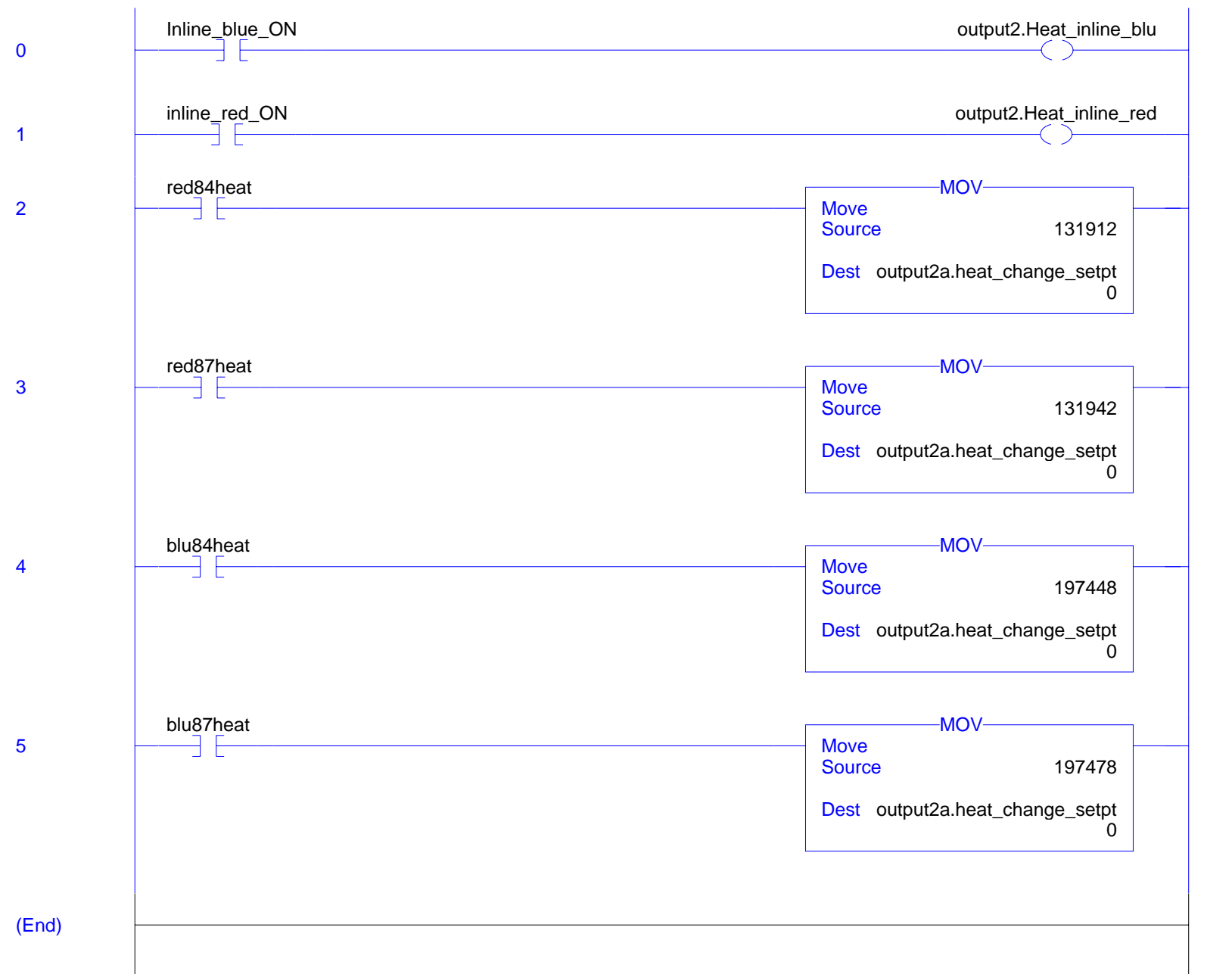
t - Controller Properties Listing		Page 2	
t (Controller)		9/1/2011 10:04:49 AM	
C:\data - ethernet stuff for AB PLC\t_mod_20jul2011r2_temperature.ACD			
General			
Vendor:	Allen-Bradley	Mode:	Offline
Revision:	17.3	Key Switch Position:	Offline
Chassis Type:	<none>	Created:	7/7/2011 12:20:36 PM
Slot:	0	Edited:	9/1/2011 10:04:20 AM
Serial Port			
Mode:	System	Control Line:	No Handshake
Baud Rate:	19200	RTS Send Delay:	0 (x20 ms)
Date Bits:	8	RTS Off Delay:	0 (x20 ms)
Parity:	None	DCD Wait Delay:	0 (x1 sec)
Stop Bits:	1		
System Protocol - DF1 Master			
Station Address:	0	Polling Mode:	Message Based (slave can initiate messages)
Transmit Retries:	3	Error Detection:	BCC
ACK Timeout:	50 (x20 ms)	Enable Duplicate Detection:	Yes
Relay Message Wait:	5 (x20 ms)		
System Protocol - DF1 Point to Point (Current)			
Station Address:	0	Embedded Responses:	Autodetect
NAK Receive Limit:	3	Error Detection:	BCC
ENQ Transmit Limit:	3	Enable Duplicate Detection:	Yes
ACK Timeout:	50 (x20 ms)		
System Protocol - DF1 Radio Modem			
Station Address:	0	Error Detection:	BCC
Store and Foward:	No		
System Protocol - DF1 Slave			
Station Address:	0	EOT Suppression:	No
Transmit Retries:	3	Error Detection:	BCC
Slave Poll Timeout:	3000 (x20 ms)	Enable Duplicate Detection:	Yes
System Protocol - DH485			
Station Address:	0	Token Hold Factor:	1
Max Station Address:	31	Error Detection:	CRC
User Protocol - ASCII			
Read/Write Buffer Size:	82 bytes	Append Character 2:	'\$!'
Termination Character 1:	'\$r'	XON/XOFF:	No
Termination Character 2:	'\$FF'	Echo Mode:	No
Append Character 1:	'\$r'	Delete Mode:	Ignore
Date/Time			
Date and Time:	<offline>		
Time Zone:	<offline>		
Daylight Saving (+00:00):	<offline>		
CST Master:	No		
Is Master:	<offline>	Duplicate Master Detected:	<offline>
Synchronized with Master:	<offline>	Timer Hardware Faulted:	<offline>
Advanced			
Controller Fault Handler:	<none>	Security:	No Protection
Power-Up Handler:	<none>	Match Project To Controller:	No
System Overhead Time Slice:	20 %	Serial Number:	404AFC6F
During unused System Overhead Time Slice:	Run Continuous Task		
SFC Execution			
Execution Control:	Execute current active steps only	Last Scan of Active Step:	Don't scan
Restart Position:	Restart at most recently executed step		
Nonvolatile Memory			
<offline>			
Memory (Estimate)			
Memory Option:	1768-L45		
Estimated I/O Memory			
Total Memory:	505,856 bytes	Max Used:	18,456 bytes
Free Memory:	487,400 bytes	Largest Block Free:	487,400 bytes
Used Memory:	18,456 bytes		
Estimated Data and Logic Memory			
Total Memory:	3,145,728 bytes	Max Used:	40,824 bytes
RSLogix 5000			

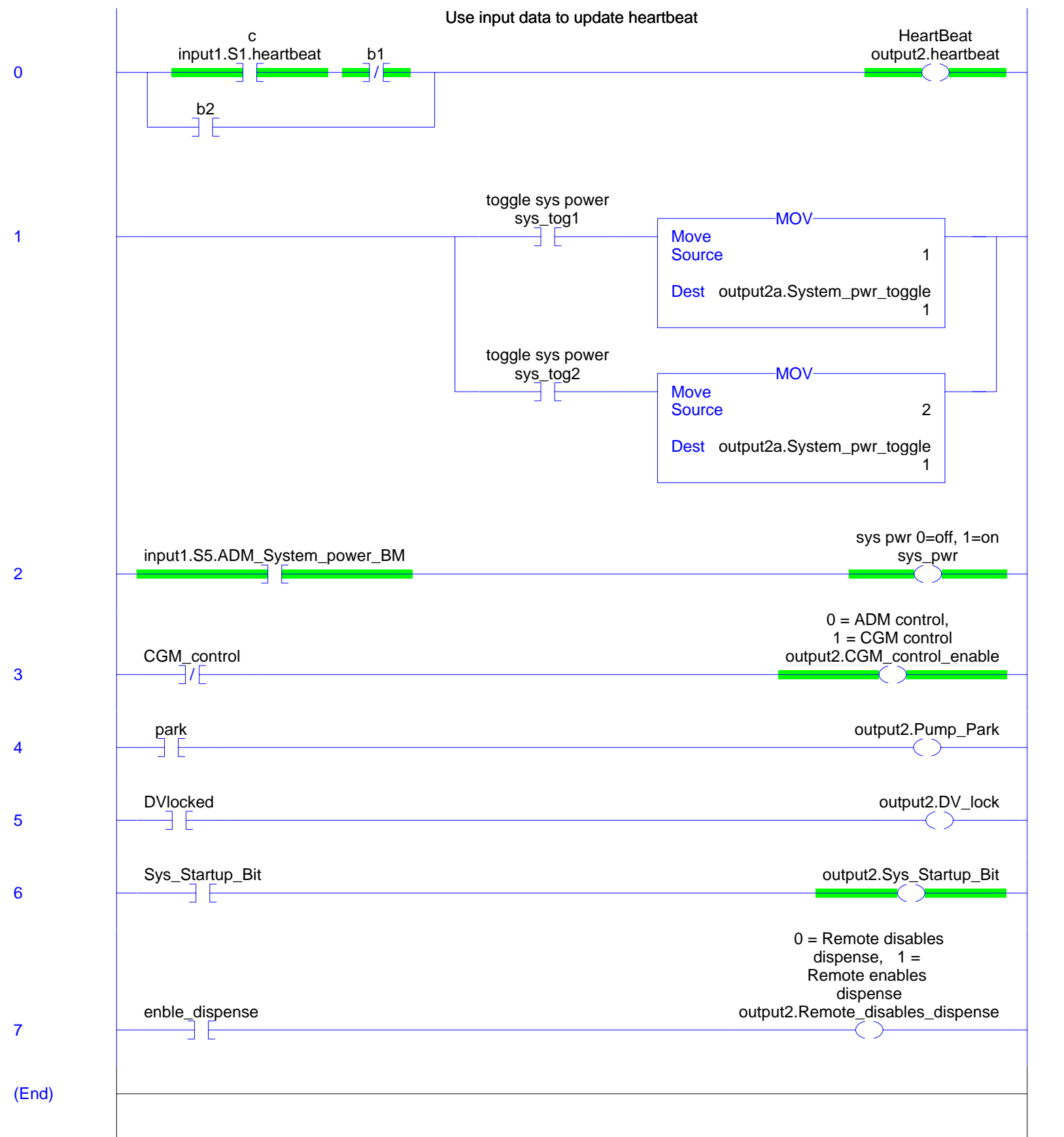
Free Memory:	3,104,904 bytes
Used Memory:	40,824 bytes

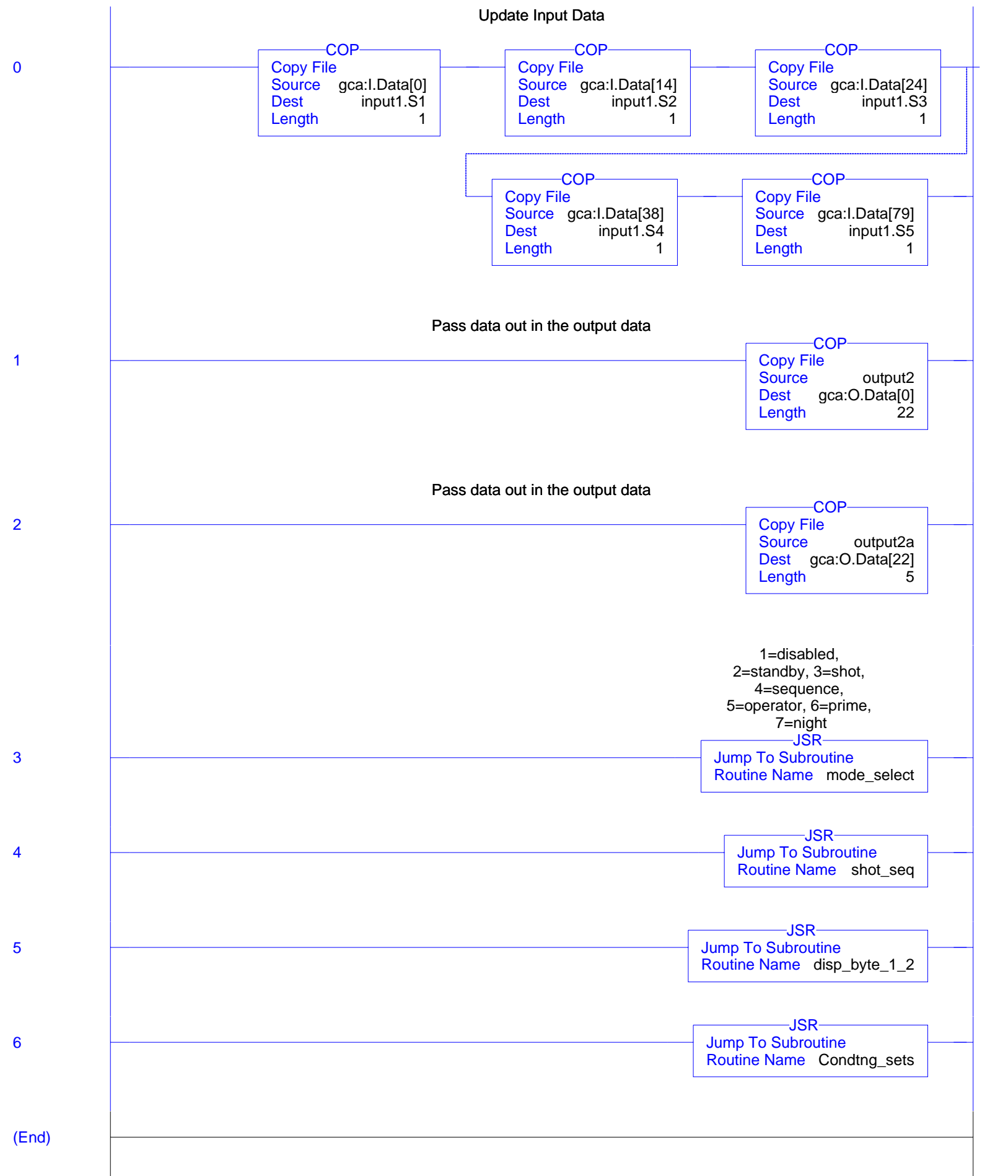
Largest Block Free: 3,104,904 bytes

Name	Value	Data Type	Scope
b1 <i>b1 - MainProgram/disp_byte_1_2 - 0(XIO)</i>	0	BOOL	MainProgram
b2 <i>b2 - MainProgram/disp_byte_1_2 - 0(XIC)</i>	0	BOOL	MainProgram
blu84heat <i>blu84heat - MainProgram/Condtng_sets - 4(XIC)</i>	0	BOOL	MainProgram
blu87heat <i>blu87heat - MainProgram/Condtng_sets - 5(XIC)</i>	0	BOOL	MainProgram
CGM_control <i>CGM_control - MainProgram/disp_byte_1_2 - 3(XIO)</i>	1	BOOL	MainProgram
DVlocked <i>DVlocked - MainProgram/disp_byte_1_2 - 5(XIC)</i>	0	BOOL	MainProgram
enable_dispense <i>enable_dispense - MainProgram/disp_byte_1_2 - 7(XIC)</i>	0	BOOL	MainProgram
flow1 <i>flow1 - MainProgram/shot_seq - 9(XIC)</i>	0	BOOL	MainProgram
flow2 <i>flow2 - MainProgram/shot_seq - 9(XIC)</i>	0	BOOL	MainProgram
 gca:I <i>gca:I - MainProgram/MainRoutine - 0(COP), 0(COP), 0(COP), 0(COP), 0(COP)</i>		AB:ETHERNET_MODULE_SINT_84Bytes:I:0 t	
 gca:O <i>gca:O - MainProgram/MainRoutine - *1(COP), *2(COP)</i>		AB:ETHERNET_MODULE_SINT_27Bytes:O:0 t	
Inline_blue_ON <i>Inline_blue_ON - MainProgram/Condtng_sets - 0(XIC)</i>	0	BOOL	MainProgram
inline_red_ON <i>inline_red_ON - MainProgram/Condtng_sets - 1(XIC)</i>	0	BOOL	MainProgram
 input1 <i>input1.S1 - MainProgram/MainRoutine - *0(COP)</i> <i>input1.S1.heartbeat - MainProgram/disp_byte_1_2 - 0(XIC)</i> <i>input1.S1.Mode_select - MainProgram/mode_select - 0(MOV)</i> <i>input1.S1.Seq_Number - MainProgram/shot_seq - 4(MOV)</i> <i>input1.S1.Shot_Position - MainProgram/shot_seq - 0(MOV)</i> <i>input1.S2 - MainProgram/MainRoutine - *0(COP)</i> <i>input1.S3 - MainProgram/MainRoutine - *0(COP)</i> <i>input1.S4 - MainProgram/MainRoutine - *0(COP)</i> <i>input1.S5 - MainProgram/MainRoutine - *0(COP)</i> <i>input1.S5.ADM_System_power_BM - MainProgram/disp_byte_1_2 - 2(XIC)</i>		input	t
ms1 disabled <i>ms1 - MainProgram/mode_select - 1(XIC)</i>	0	BOOL	MainProgram
ms2 standby <i>ms2 - MainProgram/mode_select - 2(XIC)</i>	0	BOOL	MainProgram
ms3 shot	1	BOOL	MainProgram

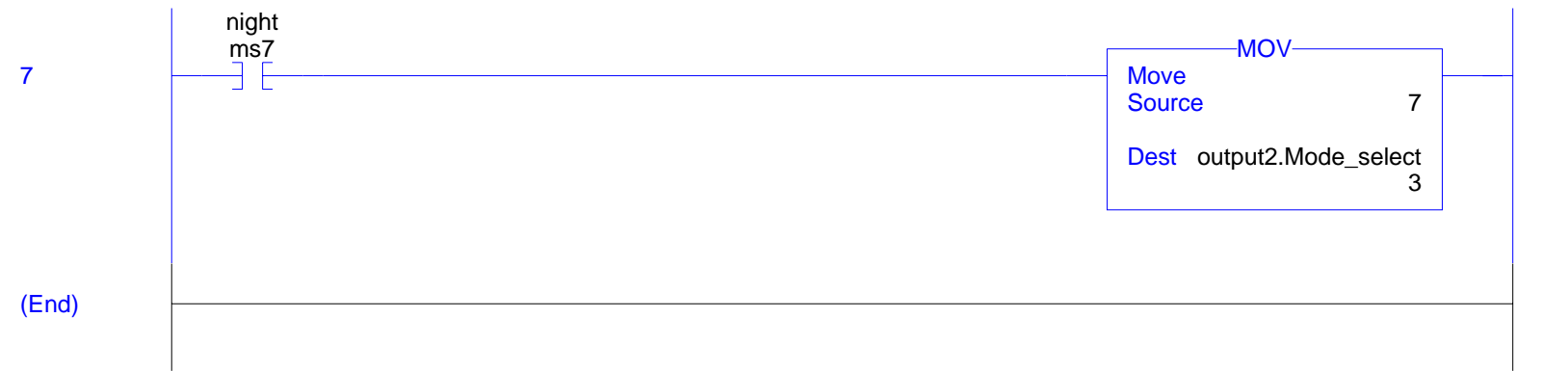
seq_1 (Continued)			
seq #1			
seq_1 - MainProgram/shot_seq - 5(XIC)			
seq_2	0	BOOL	MainProgram
seq #2			
seq_2 - MainProgram/shot_seq - 6(XIC)			
seq_no	0	SINT	MainProgram
seq_no - MainProgram/shot_seq - *4(MOV)			
sh_1	1	BOOL	MainProgram
shot #1			
sh_1 - MainProgram/shot_seq - 1(XIC)			
sh_2	0	BOOL	MainProgram
shot #2			
sh_2 - MainProgram/shot_seq - 2(XIC)			
sh_3	0	BOOL	MainProgram
shot #3			
sh_3 - MainProgram/shot_seq - 3(XIC)			
shot_size1	0	BOOL	MainProgram
shot_size1 - MainProgram/shot_seq - 7(XIC)			
shot_size2	0	BOOL	MainProgram
shot_size2 - MainProgram/shot_seq - 7(XIC)			
sys_pwr	1	BOOL	MainProgram
sys pwr 0=off, 1=on			
sys_pwr - MainProgram/disp_byte_1_2 - *2(OTE)			
Sys_Startup_Bit	0	BOOL	MainProgram
Sys_Startup_Bit - MainProgram/disp_byte_1_2 - 6(XIC)			
sys_tog1	0	BOOL	MainProgram
toggle sys power			
sys_tog1 - MainProgram/disp_byte_1_2 - 1(XIC)			
sys_tog2	0	BOOL	MainProgram
toggle sys power			
sys_tog2 - MainProgram/disp_byte_1_2 - 1(XIC)			

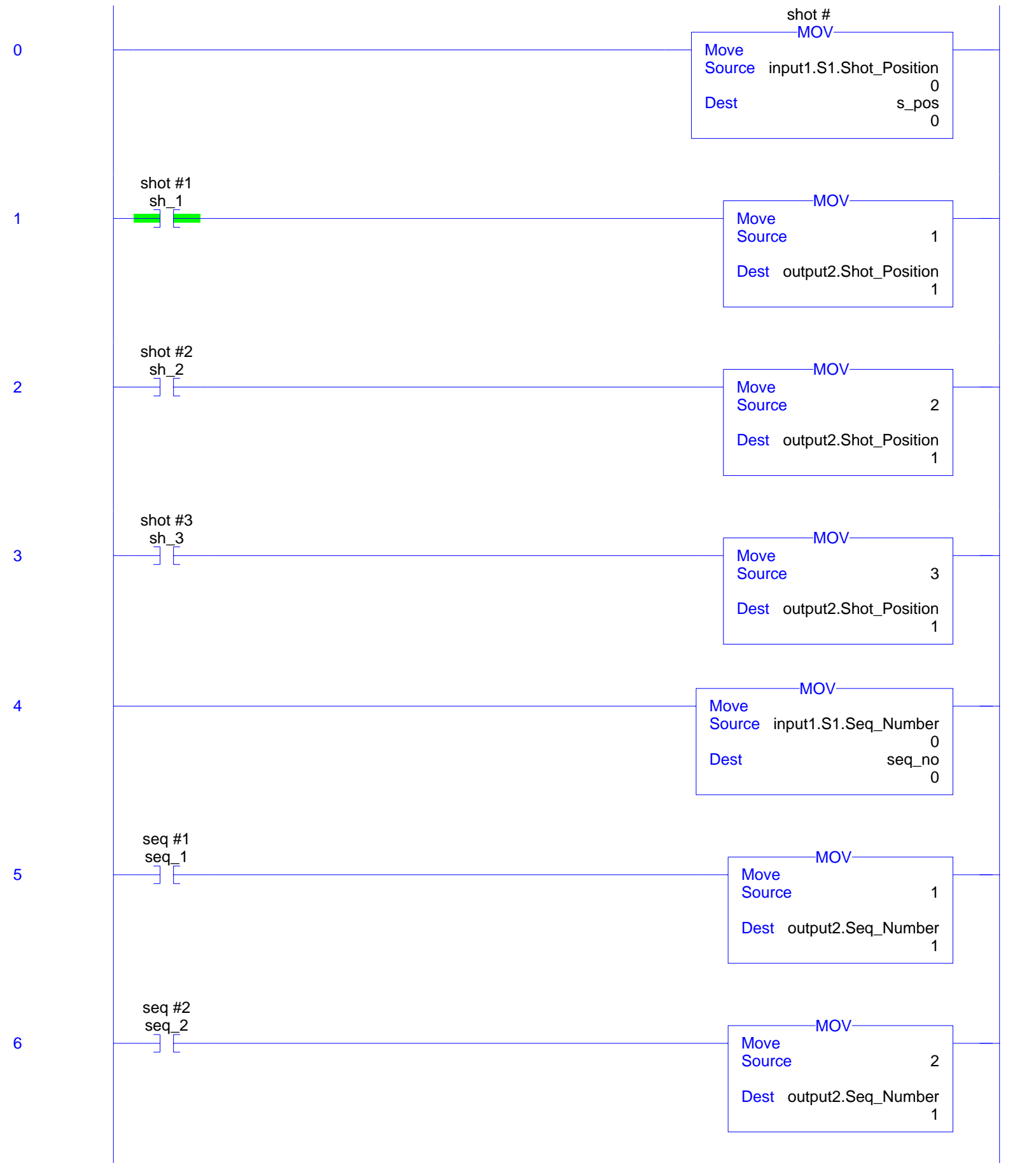


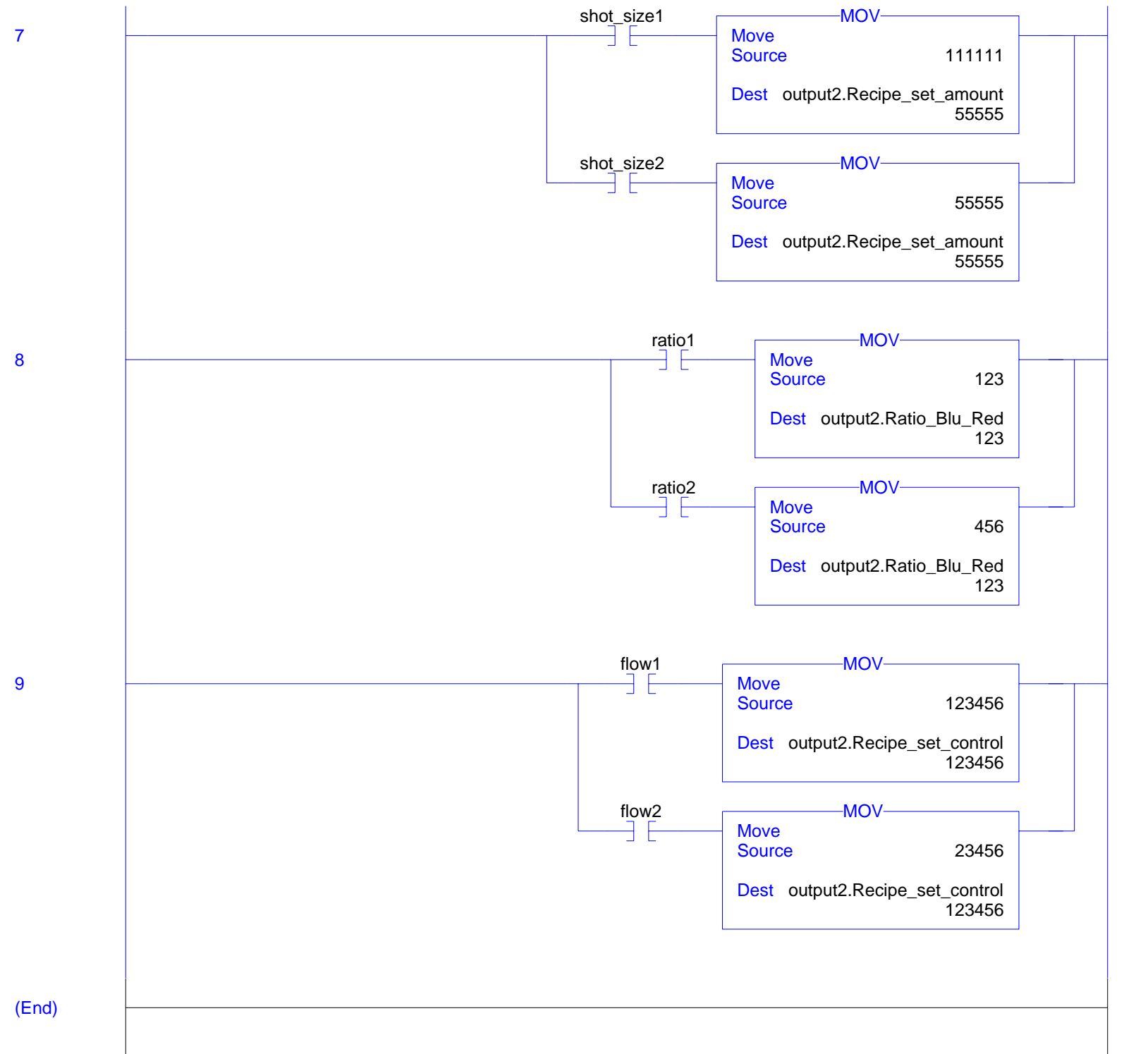

















Data type Name: input

Description:

Size: 96 byte(s)

Name	Data Type	Style	Description
 S1	S1		
 S2	S2		
 S3	S3		
 S4	S4		
 S5	S5		

Data type Name: output1

Description:

Size: 24 byte(s)

Name	Data Type	Style	Description
heartbeat	BOOL	Decimal	c
start_pb	BOOL	Decimal	
DV_open	BOOL	Decimal	
Ratio_open	BOOL	Decimal	
Pump_Park	BOOL	Decimal	
DV_lock	BOOL	Decimal	
MixHd_Clean	BOOL	Decimal	
Sys_Startup_Bit	BOOL	Decimal	
Selected_Appl	BOOL	Decimal	
Prime_Pump	BOOL	Decimal	
Base_Purge	BOOL	Decimal	
Recirc_Status	BOOL	Decimal	
Purge_Alarm	BOOL	Decimal	
Remote_disables_dispense	BOOL	Decimal	0 = Remote disables dispense, 1 = Remote enables dispense
CGM_control_enable	BOOL	Decimal	0 = ADM control, 1 = CGM control
r3	BOOL	Decimal	
Mode_select	SINT	Decimal	
Shot_Position	SINT	Decimal	
Seq_Number	SINT	Decimal	
Heat_tank_red	BOOL	Decimal	
Heat_tank_blu	BOOL	Decimal	
Heat_inline_red	BOOL	Decimal	
Heat_inline_blu	BOOL	Decimal	
Heat_hose_red	BOOL	Decimal	
Heat_hose_blu	BOOL	Decimal	
Chiller_red	BOOL	Decimal	
Chiller_blu	BOOL	Decimal	
Fill_tank_blu	SINT	Decimal	
Fill_tank_red	SINT	Decimal	
Error_ack_reqd	DINT	Decimal	
Recipe_set_control	DINT	Decimal	
Recipe_set_amount	DINT	Decimal	
Ratio_Blu_Red	INT	Decimal	

Data type Name: output3b

Description:

Size: 8 byte(s)

Name	Data Type	Style	Description
heat_change_setpt	DINT	Decimal	
System_pwr_toggle	SINT	Decimal	

Data type Name: S1

Description:

Size: 16 byte(s)

Name	Data Type	Style	Description
heartbeat	BOOL	Decimal	c
start_pb	BOOL	Decimal	
DV_open	BOOL	Decimal	
Ratio_open	BOOL	Decimal	
Pump_Park	BOOL	Decimal	
DV_lock	BOOL	Decimal	
MixHd_Clean	BOOL	Decimal	
Sys_Start_Bit	BOOL	Decimal	
Selected_Appl	BOOL	Decimal	
Prime_Pump	BOOL	Decimal	
Base_Purge	BOOL	Decimal	
Recirc_Status	BOOL	Decimal	
Purge_Alarm	BOOL	Decimal	
Remote_disables_dispense	BOOL	Decimal	0 = Remote disables dispense, 1 = Remote enables dispense
CGM_control_enable	BOOL	Decimal	0 = ADM control, 1 = CGM control
R2_7	BOOL	Decimal	
Mode_select	SINT	Decimal	
Shot_Position	SINT	Decimal	
Seq_Number	SINT	Decimal	
Heat_tank_red	BOOL	Decimal	
Heat_tank_blu	BOOL	Decimal	
Heat_inline_red	BOOL	Decimal	
Heat_inline_blu	BOOL	Decimal	
Heat_hose_red	BOOL	Decimal	
Heat_hose_blu	BOOL	Decimal	
Chiller_red	BOOL	Decimal	
Chiller_blu	BOOL	Decimal	
Fill_tank_blu	SINT	Decimal	
Fill_tank_red	SINT	Decimal	
Error_ack_reqd	DINT	Decimal	byte 9-12
Volume_units_b1	BOOL	Decimal	
Volume_units_b2	BOOL	Decimal	
Weight_units_b1	BOOL	Decimal	
Weight_units_b2	BOOL	Decimal	

Name	Data Type	Style	Description
Press_units_b1	BOOL	Decimal	
Press_units_b2	BOOL	Decimal	
Temp_units	BOOL	Decimal	
Flow_mode	BOOL	Decimal	
Rate_units	BOOL	Decimal	
Control_mode	BOOL	Decimal	
Disp_mode_b1	BOOL	Decimal	
Disp_mode_b2	BOOL	Decimal	
R14_12	BOOL	Decimal	
R14_13	BOOL	Decimal	
R14_14	BOOL	Decimal	
R14_15	BOOL	Decimal	

Data type Name: S2

Description:

Size: 12 byte(s)

Name	Data Type	Style	Description
Flow_rate_current	DINT	Decimal	
Disp_amount_current	DINT	Decimal	
Ratio_current_int1	INT	Decimal	

Data type Name: S3

Description:

Size: 16 byte(s)

Name	Data Type	Style	Description
Pressure_Red	DINT	Decimal	
Pressure_Blu	DINT	Decimal	
Flow_pump_actual	DINT	Decimal	
Ratio_actual	INT	Decimal	

Data type Name: S4

Description:

Size: 44 byte(s)

Name	Data Type	Style	Description
Disp_amount_actual	DINT	Decimal	
Disp_duration_actual	DINT	Decimal	byte 43-46
Temp_inline_blu	INT	Decimal	
Temp_hose_blu	INT	Decimal	
Temp_inline_red	INT	Decimal	
Temp_hose_red	INT	Decimal	
Temp_tank_blu	INT	Decimal	
Temp_tank_red	INT	Decimal	
Temp_chill_blu	INT	Decimal	
Temp_chill_red	INT	Decimal	
Temp_inline_blu_stpt	INT	Decimal	
Temp_hose_blu_stpt	INT	Decimal	
Temp_inline_red_stpt	INT	Decimal	
Temp_hose_red_stpt	INT	Decimal	
Temp_tank_blu_stpt	INT	Decimal	
Temp_tank_red_stpt	INT	Decimal	
Temp_chill_blu_stpt	INT	Decimal	
Temp_chill_red_stpt	INT	Decimal	
Level_status_red_b1	BOOL	Decimal	
Level_status_red_b2	BOOL	Decimal	
Level_status_red_b3	BOOL	Decimal	
Level_status_red_b4	BOOL	Decimal	
Level_status_blu_b1	BOOL	Decimal	
Level_status_blu_b2	BOOL	Decimal	
Level_status_blu_b3	BOOL	Decimal	
Level_status_blu_b4	BOOL	Decimal	

Data type Name: S5

Description:

Size: 8 byte(s)

Name	Data Type	Style	Description
Error_scrolling	DINT	Decimal	
ADM_error_status_b1	BOOL	Decimal	
ADM_error_status_b2	BOOL	Decimal	
ADM_error_status_b3	BOOL	Decimal	
ADM_error_status_b4	BOOL	Decimal	
ADM_System_power_BM	BOOL	Decimal	
ADM_OK_to_Dispende	BOOL	Decimal	
ADM_OK_for_requests	BOOL	Decimal	
ADM_future	BOOL	Decimal	