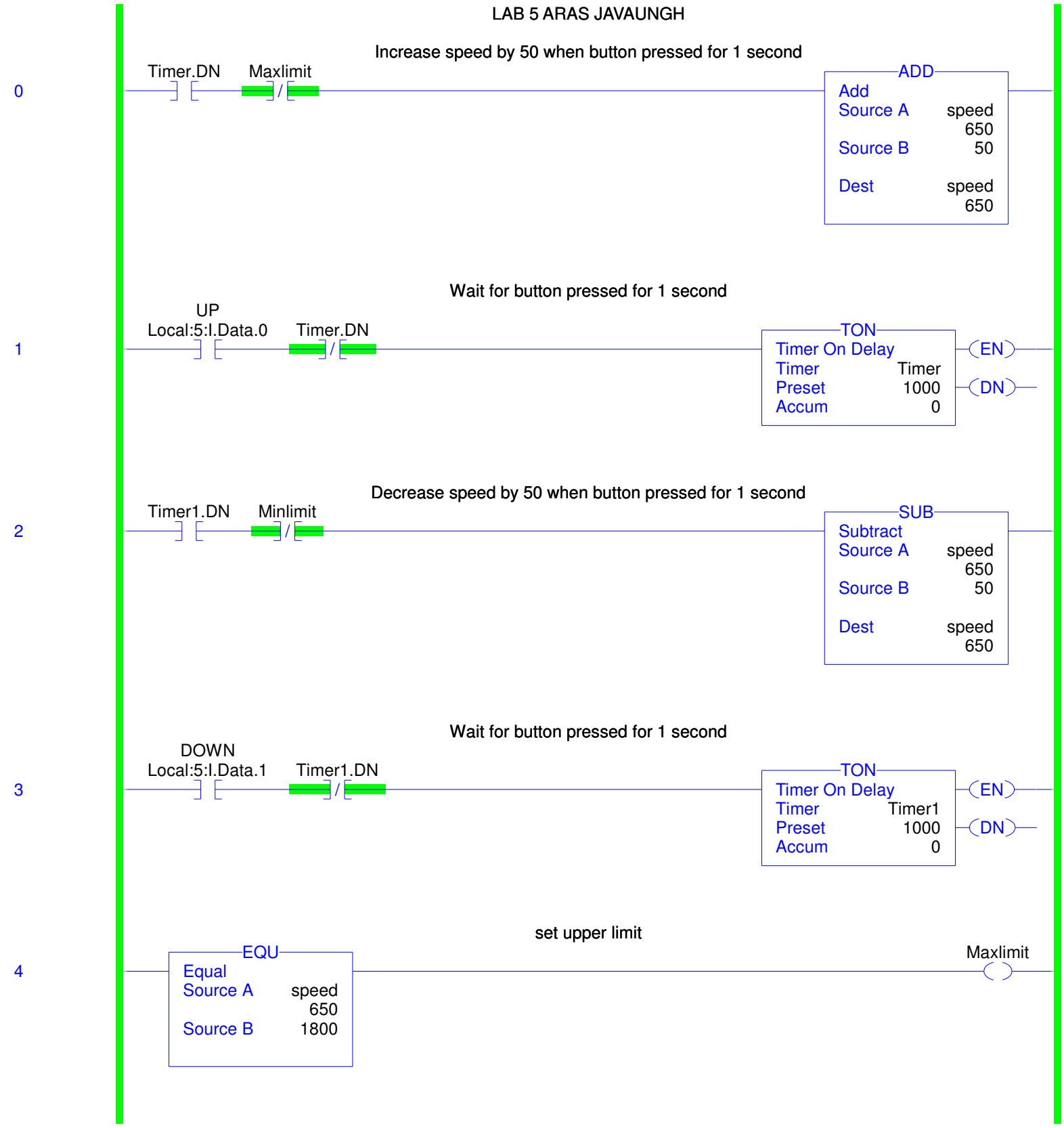
Name	Value	Data Type	Scope
anlog_in	10.25	REAL	Lab_5_aras
AliasFor:	Local:7:I.Ch0Data		
Base Tag:	Local:7:I.Ch0Data		
anlog_in - MainProgram/MainRoutine - 13(CPT)			
anlog_out	3.6111112	REAL	Lab_5_aras
AliasFor:	Local:8:O.Ch0Data		
Base Tag:	Local:8:O.Ch0Data		
*anlog_out - MainProgram/MainRoutine - *12(CPT)*			
currentspeed	1845	DINT	MainProgram
*currentspeed - MainProgram/MainRoutine - *13(CPT), 14(LES)*			
flash1Off		TIMER	MainProgram
*flash1Off - MainProgram/MainRoutine - *10(TON)*			
flash1Off.DN - MainProgram/MainRoutine - 9(XIO)			
flash1On		TIMER	MainProgram
*flash1On - MainProgram/MainRoutine - *9(TON)*			
flash1On.DN - MainProgram/MainRoutine - 10(XIC)			
flash1On.TT - MainProgram/MainRoutine - 11(XIC)			
flashOff		TIMER	MainProgram
*flashOff - MainProgram/MainRoutine - *7(TON)*			
flashOff.DN - MainProgram/MainRoutine - 6(XIO)			
flashOn		TIMER	MainProgram
*flashOn - MainProgram/MainRoutine - *6(TON)*			
flashOn.DN - MainProgram/MainRoutine - 7(XIC)			
flashOn.TT - MainProgram/MainRoutine - 8(XIC)			
Local:5:I		AB:1756_DI_DC_Diag:I:0	Lab_5_aras
Local:5:I.Data.0 - MainProgram/MainRoutine - 1(XIC), 6(XIC)			
Local:5:I.Data.1 - MainProgram/MainRoutine - 10(XIC), 3(XIC), 9(XIC)			
Local:6:O		AB:1756_DO:O:0	Lab_5_aras
*Local:6:O.Data.0 - MainProgram/MainRoutine - *8(OTE)*			
*Local:6:O.Data.2 - MainProgram/MainRoutine - *14(OTE)*			
Local:7:I		AB:1756_IF4_Float:I:0	Lab_5_aras
Local:8:O		AB:1756_OF8_Float:O:0	Lab_5_aras
Maxlimit	0	BOOL	MainProgram
*Maxlimit - MainProgram/MainRoutine - *4(OTE), 0(XIO)*			
Minlimit	0	BOOL	MainProgram
*Minlimit - MainProgram/MainRoutine - *5(OTE), 2(XIO)*			
PL2	0	BOOL	MainProgram
AliasFor:	Local:6:O.Data.1(C)		
Base Tag:	Local:6:O.Data.1(C)		
*PL2 - MainProgram/MainRoutine - *11(OTE)*			
speed	650	DINT	MainProgram
*speed - MainProgram/MainRoutine - *0(ADD), *2(SUB), 0(ADD), 12(CPT), 2(SUB), 4(EQU), 5(EQU)*			
Timer		TIMER	MainProgram
*Timer - MainProgram/MainRoutine - *1(TON)*			
Timer.DN - MainProgram/MainRoutine - 0(XIC), 1(XIO)			
Timer1		TIMER	MainProgram
*Timer1 - MainProgram/MainRoutine - *3(TON)*			

Timer1 (Continued)
Timer1.DN - MainProgram/MainRoutine - 2(XIC), 3(XIO)


LAB 5 ARAS JAVAUNGH
Increase speed by 50 when button pressed for 1 second
0
Timer.DN
Maxlimit
ADD
Add
Source A speed 650
Source B 50
Dest speed 650
Wait for button pressed for 1 second
1
UP
Local:5:I.Data.0
Timer.DN
TON
Timer On Delay
Timer Timer
Preset 1000
Accum 0
EN
DN
Decrease speed by 50 when button pressed for 1 second
2
Timer1.DN
Minlimit
SUB
Subtract
Source A speed 650
Source B 50
Dest speed 650
Wait for button pressed for 1 second
3
DOWN
Local:5:I.Data.1
Timer1.DN
TON
Timer On Delay
Timer Timer1
Preset 1000
Accum 0
EN
DN
set upper limit
4
EQU
Equal
Source A speed 650
Source B 1800
Maxlimit

set lower limit

5

EQU
Equal
Source A speed
650
Source B 0

Minlimit

timer for pilot light UP

6

UP
Local:5:I.Data.0
flashOff.DN

TON
Timer On Delay
Timer flashOn
Preset 250
Accum 0
EN
DN

7

flashOn.DN

TON
Timer On Delay
Timer flashOff
Preset 250
Accum 0
EN
DN

Flash Light

8

flashOn.TT
flashOn.TT

Local:6:O.Data.0

timer for pilot light DOWN

9

DOWN
Local:5:I.Data.1
flash1Off.DN

TON
Timer On Delay
Timer flash1On
Preset 500
Accum 0
EN
DN

10

DOWN
Local:5:I.Data.1
flash1On.DN

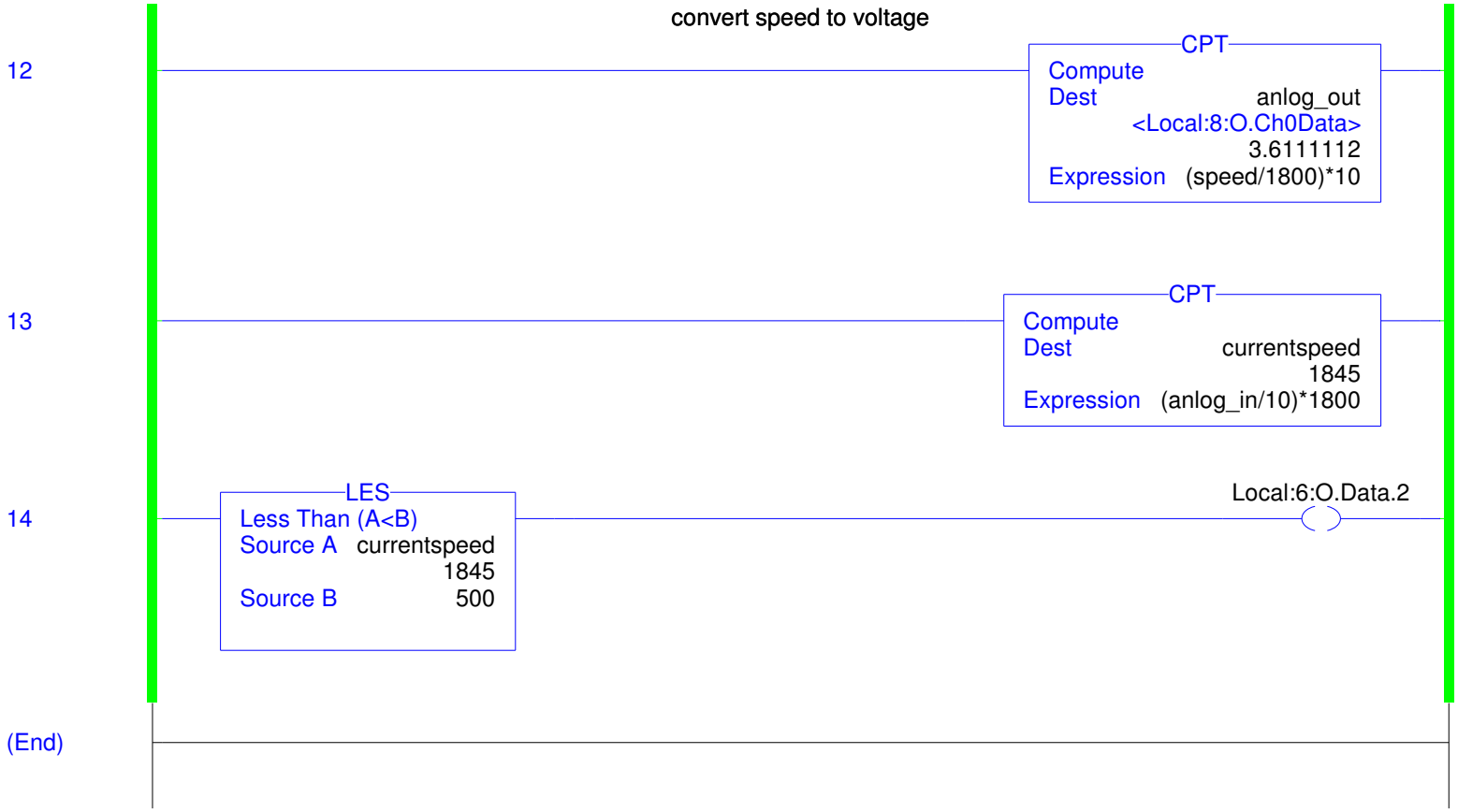
TON
Timer On Delay
Timer flash1Off
Preset 500
Accum 0
EN
DN

Flash Light

11

flash1On.TT
flash1On.TT

PL2
<Local:6:O.Data.1>


convert speed to voltage
12
CPT
Compute
Dest anlog_out
<Local:8:O.Ch0Data>
3.6111112
Expression (speed/1800)*10
13
CPT
Compute
Dest currentspeed
1845
Expression (anlog_in/10)*1800
14
LES
Less Than (A<B)
Source A currentspeed
1845
Source B 500
Local:6:O.Data.2
(End)

Data type Name: STRING

Description:

Size 88 byte(s)

Name	Data Type	Style	Description
LEN	DINT	Decimal	
DATA	SINT[82]	ASCII	