

## POU: MAIN

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1  PROGRAM MAIN
2  VAR
3      timer1 : TP ;
4      timer2 : TP ;
5      Init   : BOOL ;
6      BusyFTrigX : F_Trig ;
7      BusyFTrigY : F_Trig ;
8
9
10
11  END_VAR
12
13
14
15      gvl_io . SVONX_SERVO_ON_tableX := TRUE ;
16      gvl_io . SVONY_SERVO_ON_translY := TRUE ;
17
18
19
20      timer1 ( IN := gvl_io . Start_button , PT := T#150MS ) ;
21      GVL_IO . SETUPX_ORIGIN_tableX := timer1 . Q ;
22      gvl_io . SETUPY_ORIGIN_translY := timer1 . Q ;
23      BusyFTrigX ( clk := gvl_io . BUSYX_BUSY_tableX ) ;
24      BusyFTrigY ( clk := gvl_io . BUSYX_BUSY_translY ) ;
25
26  IF NOT gvl_io . Stop_button THEN
27
28      GVL_IO . INX0_from_Input0_tableX := FALSE ;
29      gvl_io . INX1_from_Input1_tableX := false ;
30      gvl_io . INX2_from_Input2_tableX := true ;
31      gvl_io . INY0_from_Input0_translY := TRUE ;
32      gvl_io . INY1_from_Input1_translY := FALSE ;
33      gvl_io . INY2_from_Input2_translY := TRUE ;
34      timer1 ( IN := gvl_io . Start_button , PT := T#150MS ) ;
35      gvl_io . DRIVEX_MOVE_tableX := TRUE ;
36      gvl_io . DRIVEY_MOVE_translY := TRUE ;
37
38  END_IF
39  IF gvl_io . Reset_button THEN
40      gvl_io . DRIVEX_MOVE_tableX := FALSE ;
41      gvl_io . DRIVEY_MOVE_translY := FALSE ;
42  END_IF
43
```