

Escena11_ST

```
1|      10|      20|      30|      40|      50|      60|      70|      80|      90|     100|     110|
1  R_TRIG_0 (CLK := start);
2  if stop and not reseteo and R_TRIG_0.Q then
3      start_light:=1;
4      stop_light:=0;
5      reset_light:=0;
6      %M50:=0;
7  end_if;
8  if start_light and not stop_light and not reset_light then
9  if level_meter<setpoint-100 then
10      fill_valve:= 1000;
11      Discharge_valve:=0;
12  elsif level_meter=setpoint+10 or level_meter=setpoint-10 then
13      fill_valve:= 0;
14      Discharge_valve:=0;
15  elsif level_meter>setpoint+100 then
16      fill_valve:= 0;
17      Discharge_valve:=1000;
18  elsif ((setpoint-100)<level_meter) and level_meter<setpoint-5 then
19      fill_valve:= 100;
20      Discharge_valve:=0;
21  elsif ((setpoint+100)>level_meter) and level_meter>setpoint+5 then
22      fill_valve:= 0;
23      Discharge_valve:=100;
24  end_if;
25
26  end_if;
27  sp := setpoint;
28
29  PV:=(level_meter/300)*1000;
30  R_TRIG_2 (CLK := reseteo);
31  if r_trig_2.q then
32      %M51:=0;
33  end_if;
34  if (R_TRIG_2.Q and not start_light) then
35      Discharge_valve:=0;
36      fill_valve:= 0;
37      start_light:=0;
38      reset_light:=1;
39  end_if;
40
41  if %M51 and %s6 then
42      reset_light:=1;
43  end_if;
44  if %M51 and not %s6 then
45      reset_light:=0;
46  end_if;
47
48  F_TRIG_0 (CLK := stop);
49  if F_TRIG_0.Q then
50      stop_light:=1;
51      %M50:=1;
52  end_if;
```