Escena3_ST

```
1   R_TRIG_0 (CLK := fill);
2   if R_TRIG_0 .Q then
3           %M50:=1;
4   end_if;
5   TP_2 (IN := %M50,
6         PT := t#5s);
7   if TP_2.Q then
8           fill_valve:=1;
9           filling:=1;
10          %M50:=0;
11  end_if;
12  if not TP_2.Q then
13          fill_valve:=0;
14          filling:=0;
15  end_if;
16
17  time_out_carga:= TIME_TO_INT (IN := TP_2.ET);
18
19  TP_3 (IN := not discharge,
20        PT := t#5s);
21  if TP_3.Q then
22          Discharge_valve:=1;
23          discharging:=1;
24  end_if;
25  if not TP_3.Q then
26          Discharge_valve:=0;
27          discharging:=0;
28  end_if;
29
30  time_out_descarga:= TIME_TO_INT (IN := TP_3.ET);
31  time_pt_descarga:= TIME_TO_INT (IN := t#5s);
32
33  time_out_carga:= time_out_carga/1000;
34  time_out_descarga:= time_out_descarga/1000;
35  time_pt_descarga:= time_pt_descarga/1000;
36
37  time_out_carga:= time_pt_descarga-time_out_carga;
38  time_out_descarga:= time_pt_descarga-time_out_descarga;
39
40  time_out := SEL (G := not fill_valve,
41                   IN0 := time_out_carga,
42                   IN1 := time_out_descarga);
```