200 ms

up button   down button

direction = button

Interupt

500 ms

LED_Start

temp >= setpoint = 0

LED_On

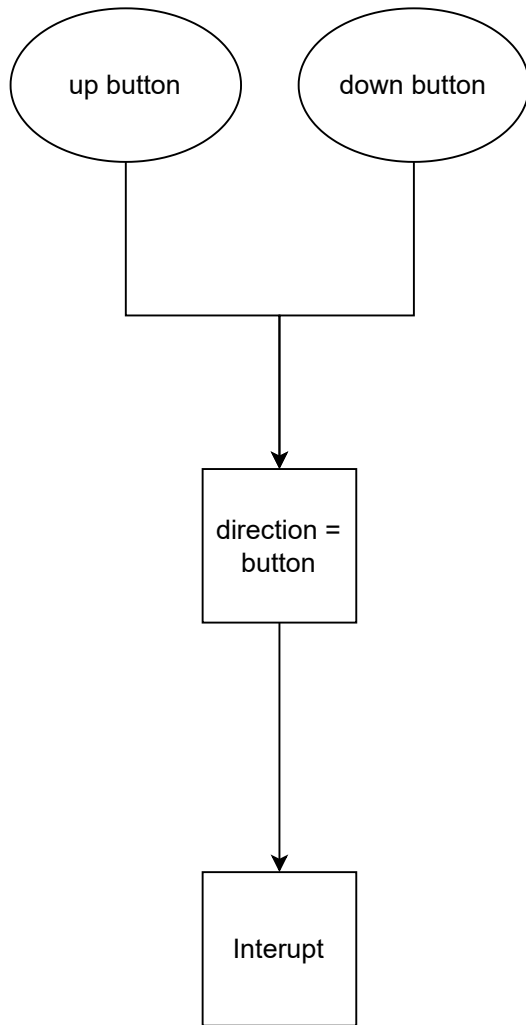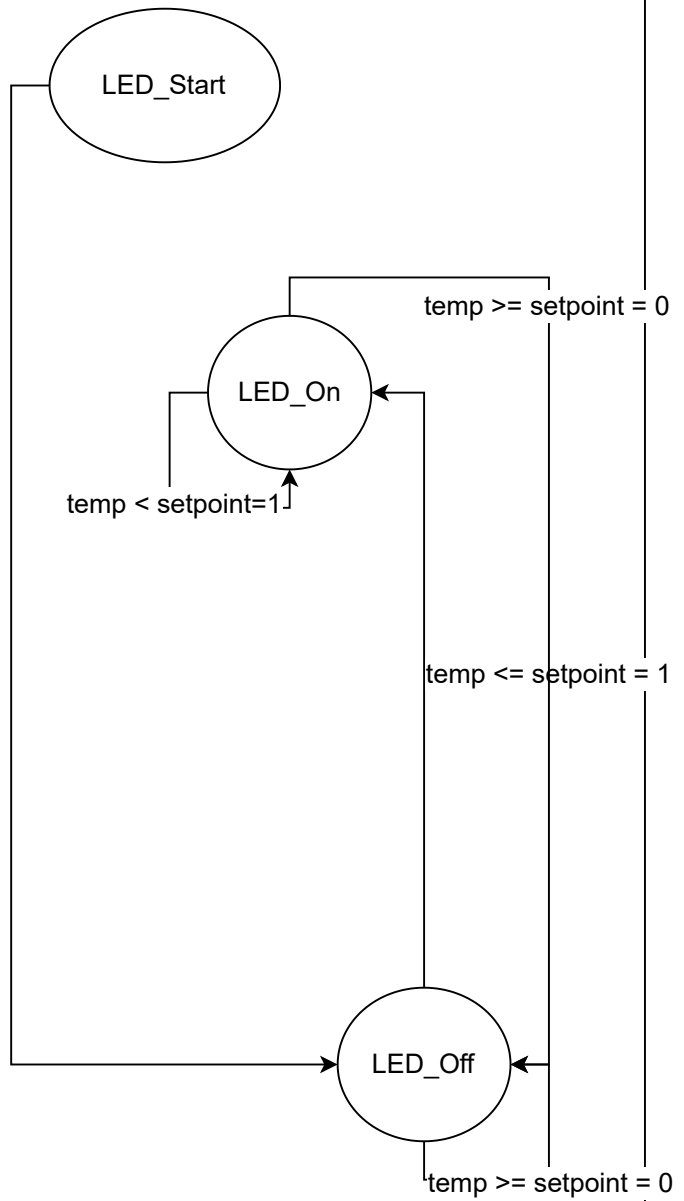temp < setpoint=1

temp <= setpoint = 1

LED_Off

temp >= setpoint = 0

output o

1000 ms

current temp, setpoint, heat on/off, time passed