G:\SYLVIELLY_MICROCONTROLADORES\TRABALHOS FINALIZADOS\SYLVIELLY_TERMOSTATO_C\sylvielly_

```
 1: #define led0 pin_d0
 2: #define led1 pin_d1
 3: #include <18F4550.h>
 4: #device adc=10
 5: #fuses HS, NOWDT, PUT, BROWNOUT, NOLVP, CPUDIV1 //Configuração dos fusí
 6: #use delay(clock=20000000)
 7: #int_timer1
 8: void funcao_tempo()
 9: {float sensor,ajuste;
10: static boolean led=1;static unsigned int32 n;
11: set_timer1(3036+get_timer1());
12: n++;
13: if (n==5)
14: {n=0;
15: led=!led;
16: output_bit(led1,led);
17: }
18: //if ((input(pin_b0)==0)&&(input(pin_b1)==0))
19: //{output_low(led0);}
20: SET_ADC_CHANNEL(0);
21: sensor=read_adc();
22: delay_us(100);
23: SET_ADC_CHANNEL(1);
24: ajuste=read_adc();
25: delay_us(100);
26: if (sensor>ajuste) { output_high(led0); }
27: else { output_low(led0); }
28: }
29: void main()
30: {float sensor;
31: char selection;
32: port_b_pullups(TRUE);
33: enable_interrupts(GLOBAL);
34: enable_interrupts(INT_timer1);
35: setup_timer_1(T1_INTERNAL|T1_DIV_BY_8);
36: set_timer1(3036);
37: setup_adc_ports(AN0);
38: SETUP_ADC(ADC_CLOCK_INTERNAL);
39:
40: while(true)
41: { }}
```