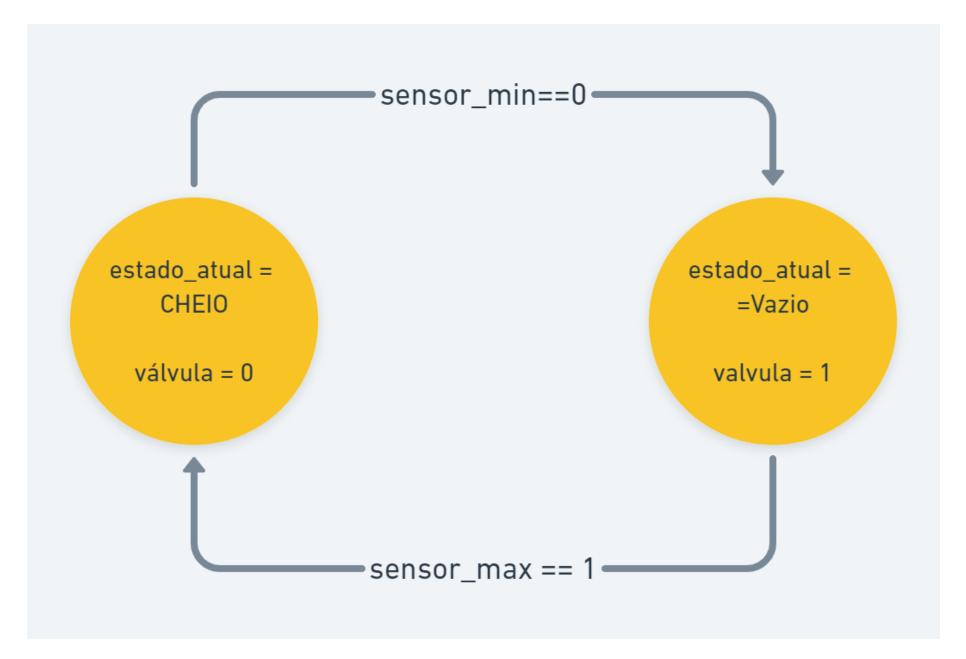
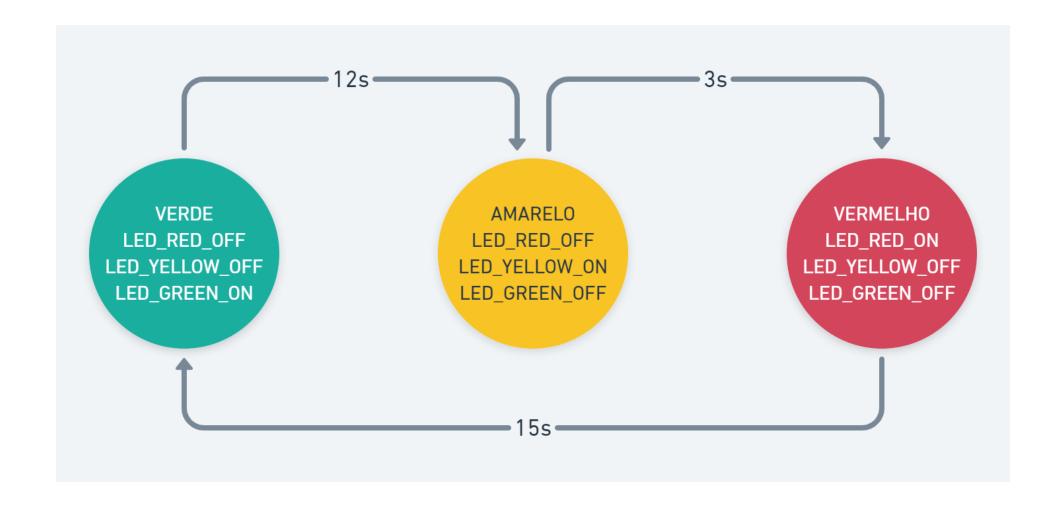
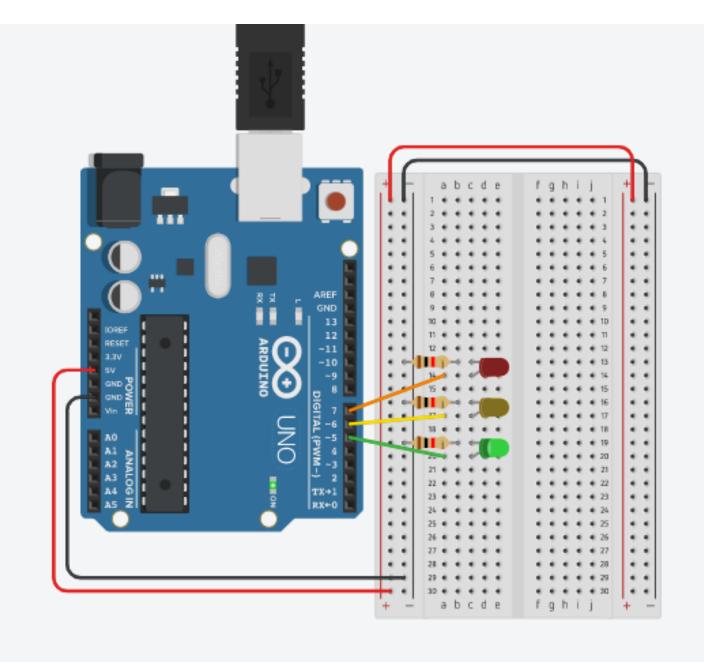
Questão 1



Questão 2



```
#define LED RED ON PORTD = PORTD | 0b10000000
     #define LED RED OFF PORTD = PORTD & ~(0b10000000)
    #define LED YELLOW ON PORTD = PORTD | 0b01000000
     #define LED YELLOW OFF PORTD = PORTD & ~(0b01000000)
     #define LED GREEN ON PORTD = PORTD | 0b00100000
     #define LED GREEN OFF PORTD = PORTD & ~(0b00100000)
     #define VERDE 0
     #define AMARELO 1
     #define VERMELHO 2
     int estado_atual = VERDE;
10
11
12
     int main (void)
13 🗏 {
         DDRD = DDRD | Obl01000000; // Configurando pino 5 e 7 como saída
14
15
         PORTD = PORTD | 0b00010000; // Habilita resistor de PULL-UP
16 🖵
17
             for(;;) {
18
                 switch (estado atual)
19 🖹
20
                 case VERDE:
21
                     LED_RED_OFF; //desliga led do pino 7
                     LED YELLOW OFF; //desliga led do pino 6
22
23
                    LED GREEN ON; //desliga led do pino 5
                     delay ms(12000);
24
25
                     estado atual = AMARELO;
26
                     break;
27
                 case AMARELO:
                     LED RED ON; //desliga led do pino 7
28
29
                     LED YELLOW ON; //liga led pino 6
                     LED GREEN OFF; //desliga led do pino 5
30
                     delay ms(3000);
31
                     estado_atual = VERMELHO;
32
33
                     break;
34
                 case VERMELHO:
35
                     LED RED ON //liga led do pino 7
                     LED YELLOW_OFF //desliga led do pino 6
36
                     LED GREEN ON; //desliga led do pino 5
37
                     _delay ms(15000)
38
                     estado atual = VERDE;
39
40
                     break;
41
```



Questão 3

