```
1
     from machine import Pin, PWM
 2
     from time import sleep
 3
     import dht
 4
 5
     ledr = Pin(0, Pin.OUT)
     ledg = Pin(1, Pin.OUT)
 6
7
     buz = PWM(Pin(17))
     pir = Pin(27, Pin.IN)
 8
     sensor = dht.DHT22(Pin(28))
 9
     buz.freq(5000)
10
11
12
     while True:
13
         try:
14
              if pir.value() == 1:
                  ledr.on()
15
                  ledg.off()
16
17
                  sensor.measure()
                  print(f'T: {sensor.temperature():.1f} °C')
18
                  print(f'U: {sensor.humidity():.1f}%')
19
                  buz.duty_u16(500)
20
                  sleep(1)
21
22
              else:
                  print('esperando movimento')
23
                  ledg.on()
24
25
                  ledr.off()
26
                  buz.duty_u16(0)
27
                  sleep(1)
28
         except:
29
              print('dht falhou')
30
```

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