```c
int main()
{
  low(26);
  low(27);

  drive_setRampStep(12);

  while(1)
  {

    dht22_read(humPin);
    float humidity = dht22_getHumidity();
    humidity = humidity / 10.0;
    float temp = dht22_getTemp(CELSIUS) / 10.0;

    if(temp > humThresh) {
      high(ledPin);
    } else {
      low(ledPin);
    }

    freqout(11, 1, 38000);
    irLeft = input(10);

    freqout(1, 1, 38000);
    irRight = input(2);

    if(irRight == 1 && irLeft == 1) {
      drive_rampStep(128, 128);
    } else if(irLeft == 0 && irRight == 0)
      drive_rampStep(-128, -128);
    else if(irRight == 0)
      drive_rampStep(-128, 128);
    else if(irLeft == 0)
      drive_rampStep(128, -128);
  }
}
```