#define trigPin 3

#define echoPin 10

 int m1b = 11;

 int m1f =5;

 int m2f = 6;

 int m2b = 9;

void setup() { pinMode(m1f, OUTPUT);

 pinMode(m1b, OUTPUT);

 pinMode(m2f, OUTPUT);

 pinMode(m2b, OUTPUT);

 pinMode(trigPin, OUTPUT);

 pinMode(echoPin, INPUT); }

void loop() { int duration, distance;

 digitalWrite(trigPin, HIGH);

 delayMicroseconds(1000);

 digitalWrite(trigPin, LOW);

 duration = pulseIn(echoPin, HIGH);

 distance = (duration/2) / 29.1;

 if (distance >= 25){

 digitalWrite(m1f, HIGH);

 digitalWrite(m1b, LOW);

 digitalWrite(m2f, HIGH);

 digitalWrite(m2b, LOW);

 delay(100); }

 else {

digitalWrite(m1f, HIGH);

 digitalWrite(m1b, LOW);

 digitalWrite(m2b, HIGH);

digitalWrite(m2f, LOW);

 delay(800); } }