#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);

 }

 }