

hello guys

```
int M1 = 6;
int M2 = 9;
int M3 = 10;
int M4 = 11;

int IR_Left = 8;
int IR_Right = 3;

void setup() {
  pinMode(M1, OUTPUT);
  pinMode(M2, OUTPUT);
  pinMode(M3, OUTPUT);
  pinMode(M4, OUTPUT);

  pinMode(IR_Right, INPUT);
  pinMode(IR_Left, INPUT);
  Serial.begin(9600);
}

void loop() {
  Serial.print("Right_IR: ");
  Serial.print(digitalRead(IR_Right));
  Serial.print(" Left_IR: ");
  Serial.print(digitalRead(IR_Left));
  Serial.println();

  if (digitalRead(IR_Right) == 0 &&digitalRead(IR_Left ==1))
  {
    digitalWrite(M1, HIGH);//Left Motor ON
    digitalWrite(M2, LOW);
    digitalWrite(M3, LOW);//Right Motor OFF
    digitalWrite(M4, LOW);
  }
  else if (digitalRead(IR_Left) == 0 &&digitalRead(IR_Right
  == 1))
  {
    digitalWrite(M3, HIGH);//Right Motor ON
    digitalWrite(M4, LOW);
    digitalWrite(M1, LOW);//Left Motor OFF
    digitalWrite(M2, LOW);
  }
  else
  {
    digitalWrite(M1, LOW);//Left Motor OFF
    digitalWrite(M2, LOW);
    digitalWrite(M3, LOW);//Right Motor OFF
    digitalWrite(M4, LOW);
  }
}
```

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