int SL3 = 19;

int SL2 = 18;

int SL1 = 17;

int SML = 16;

int SMR = 15;

int SR1 = 14;

int SR2 = 13;

int SR3 = 12;

int RMP = 5;

int RMN = 6;

int LMP = 11;

int LMN = 10;

void setup() {

// put your setup code here, to run once:

pinMode(SL3, INPUT);

pinMode(SL2, INPUT);

pinMode(SL1, INPUT);

pinMode(SML, INPUT);

pinMode(SMR, INPUT);

pinMode(SR1, INPUT);

pinMode(SR2, INPUT);

pinMode(SR3, INPUT);

pinMode(LMP, OUTPUT);

pinMode(LMN, OUTPUT);

pinMode(RMP, OUTPUT);

pinMode(RMN, OUTPUT);

Serial.begin(9600);

}

void loop() {

if (digitalRead(SR3) == HIGH || digitalRead(SR2) == HIGH || digitalRead(SR1) == HIGH )

{

digitalWrite(LMP, LOW);

digitalWrite(LMN, HIGH);

digitalWrite(RMP, LOW);

digitalWrite(RMN, LOW);

Serial.println("Right");

}

else if (digitalRead(SL3) == HIGH || digitalRead(SL2) == HIGH || digitalRead(SL1) == HIGH )

{

digitalWrite(LMP, LOW);

digitalWrite(LMN, LOW);

digitalWrite(RMP, HIGH);

digitalWrite(RMN, LOW);

Serial.println("Left");

}

else

{

digitalWrite(LMP, LOW);

digitalWrite(LMN, HIGH);

digitalWrite(RMP, HIGH);

digitalWrite(RMN, LOW);

Serial.println("FORWARD");

}

}