const int r1=1, r2=2, l1=3, l2=4;

const int LS = 6;

const int RS = 5;

int L,R;

void setup()

{

pinMode(LS, INPUT);

pinMode(RS, INPUT);

pinMode(r1, OUTPUT);

pinMode(r2, OUTPUT);

pinMode(l1, OUTPUT);

pinMode(l2, OUTPUT);

digitalWrite(r2,LOW);

digitalWrite(l2,LOW);

}

void loop()

{

L = digitalRead(LS);

R = digitalRead(RS);

digitalWrite(r1, !R);

digitalWrite(l1, !L);

}