#define ENCODER\_PIN\_A 18

#define ENCODER\_PIN\_B 19

#define ENCODER\_PIN\_C 20

#define ENCODER\_PIN\_D 21

volatile long ENCODER\_value\_A = 0;

volatile long ENCODER\_value\_B = 0;

volatile long ENCODER\_value\_C = 0;

volatile long ENCODER\_value\_D = 0;

void setup() {

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

pinMode(ENCODER\_PIN\_A, INPUT\_PULLUP);

pinMode(ENCODER\_PIN\_B, INPUT\_PULLUP);

pinMode(ENCODER\_PIN\_C, INPUT\_PULLUP);

pinMode(ENCODER\_PIN\_D, INPUT\_PULLUP);

attachInterrupt(digitalPinToInterrupt(ENCODER\_PIN\_A), ENCODER\_A, RISING);

attachInterrupt(digitalPinToInterrupt(ENCODER\_PIN\_B), ENCODER\_B, RISING);

attachInterrupt(digitalPinToInterrupt(ENCODER\_PIN\_C), ENCODER\_C, RISING);

attachInterrupt(digitalPinToInterrupt(ENCODER\_PIN\_D), ENCODER\_D, RISING);

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

Serial.println(ENCODER\_value\_A);

Serial.println(ENCODER\_value\_B);

Serial.println(ENCODER\_value\_C);

Serial.println(ENCODER\_value\_D);

delay(300);

}

void ENCODER\_A() {

ENCODER\_value\_A++;

}

void ENCODER\_B() {

ENCODER\_value\_B++;

}

void ENCODER\_C() {

ENCODER\_value\_C++;

}

void ENCODER\_D() {

ENCODER\_value\_D++;

}