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/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Exercise the motor using

the L293D chip

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#define ENABLE 5

#define DIRA 3

#define DIRB 4

int i;

void setup() {

//---set pin direction

pinMode(ENABLE,OUTPUT);

pinMode(DIRA,OUTPUT);

pinMode(DIRB,OUTPUT);

Serial.begin(9600);

}

void loop() {

//---back and forth example

Serial.println("One way, then reverse");

digitalWrite(ENABLE,HIGH); // enable on

for (i=0;i<5;i++) {

digitalWrite(DIRA,HIGH); //one way

digitalWrite(DIRB,LOW);

delay(750);

digitalWrite(DIRA,LOW); //reverse

digitalWrite(DIRB,HIGH);

delay(750);

}

digitalWrite(ENABLE,LOW); // disable

delay(3000);

for (i=0;i<5;i++) {

digitalWrite(DIRA,HIGH); //one way

digitalWrite(DIRB,LOW);

delay(750);

digitalWrite(DIRA,LOW); //reverse

digitalWrite(DIRB,HIGH);

delay(750);

}

digitalWrite(ENABLE,LOW); // disable

delay(3000);

}