

Dc motor

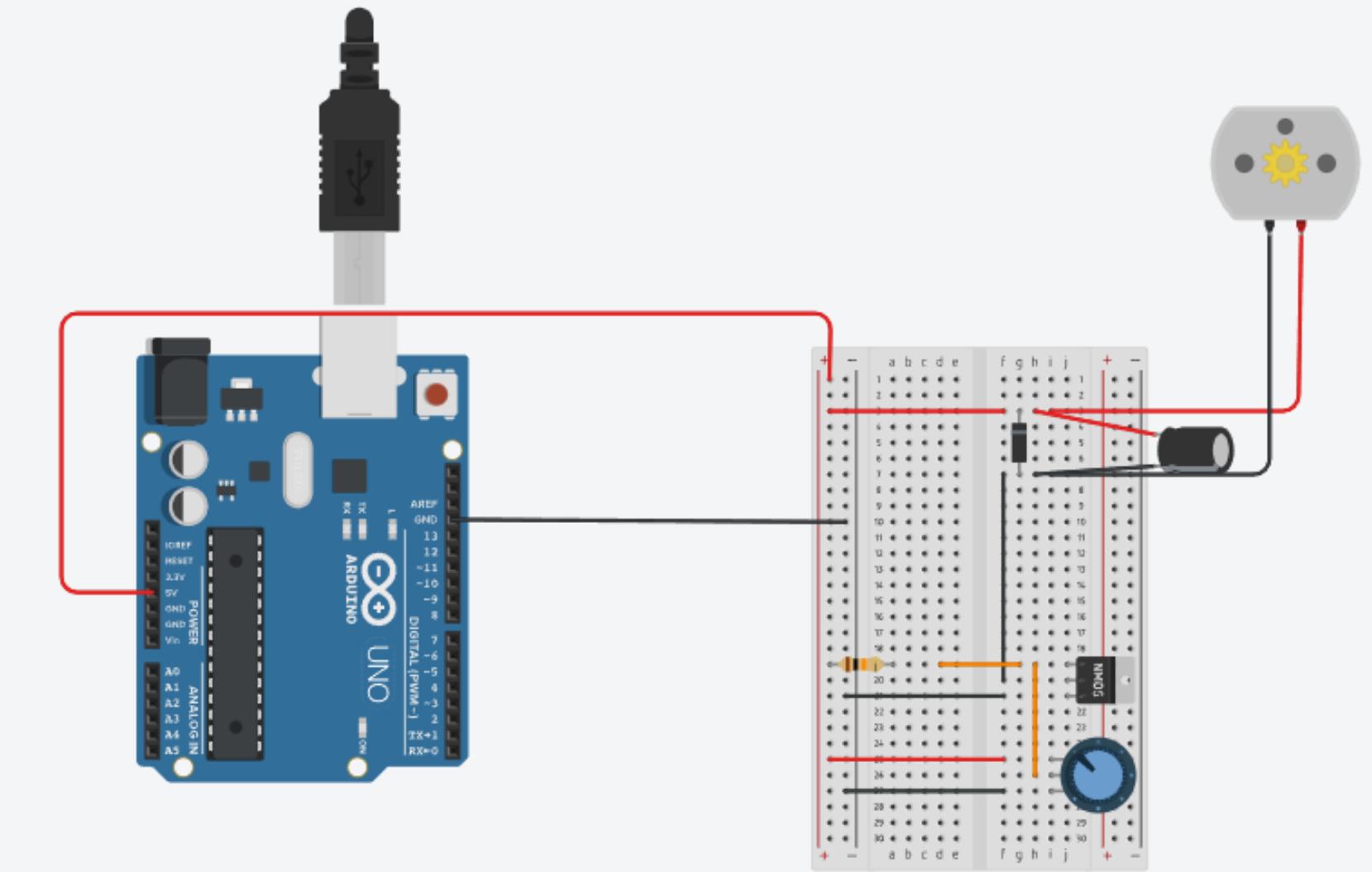
Presentato dal gruppo
Zhou

Dc motor con potenziometro

```
// C++ code
//
void setup()
{
  pinMode(LED_BUILTIN, OUTPUT);
}

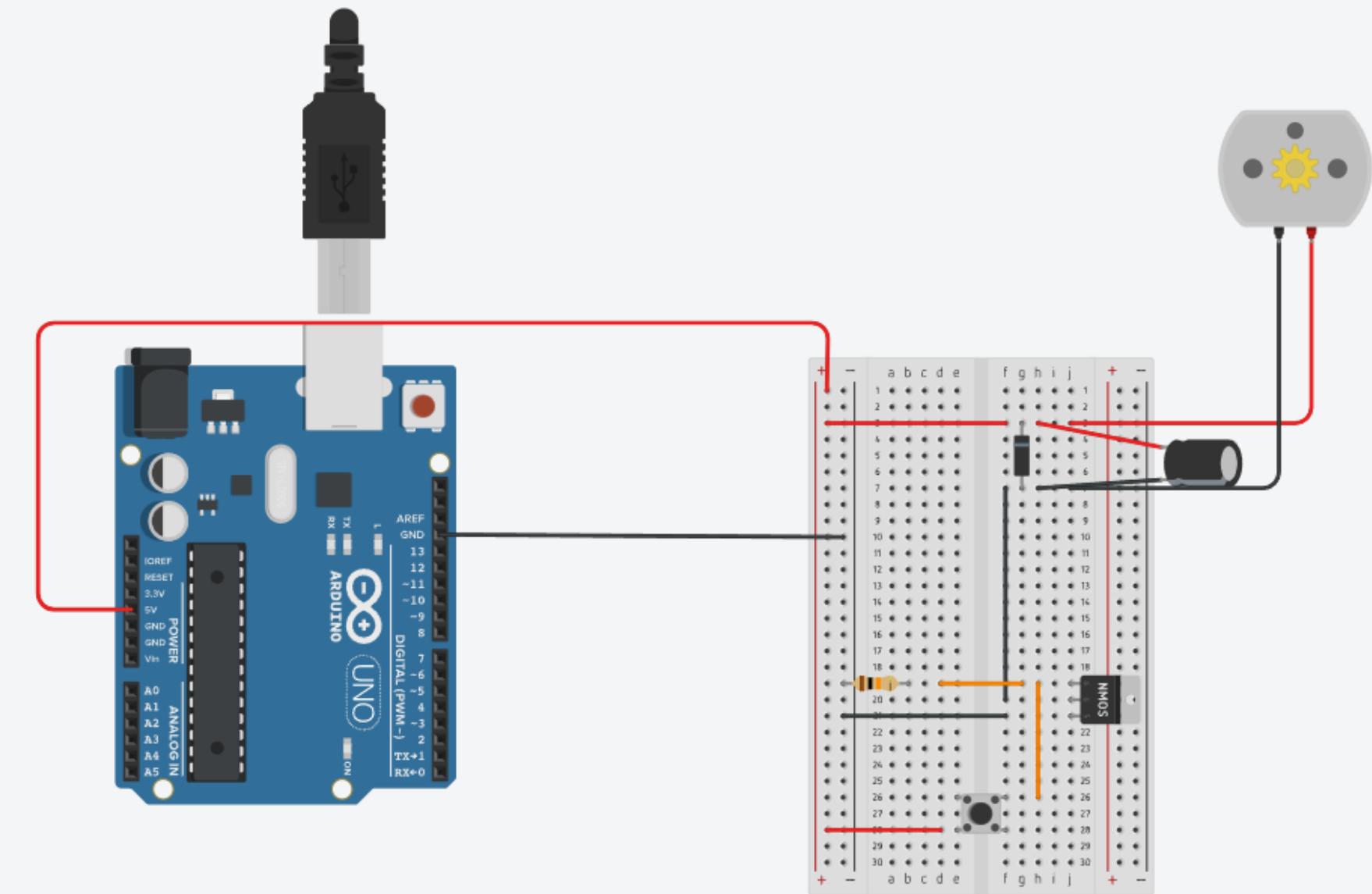
void loop()
{
  digitalWrite(LED_BUILTIN, HIGH);
  delay(1000); // Wait for 1000 millisecond(s)
  digitalWrite(LED_BUILTIN, LOW);
  delay(1000); // Wait for 1000 millisecond(s)
}
```

**Muovendo il potenziometro
aumentiamo/diminiuamo la
potenza**



Dc motor con pushbutton

```
// C++ code  
//  
void setup()  
{  
    pinMode(LED_BUILTIN, OUTPUT);  
}  
  
void loop()  
{  
    digitalWrite(LED_BUILTIN, HIGH);  
    delay(1000); // Wait for 1000 millisecond(s)  
    digitalWrite(LED_BUILTIN, LOW);  
    delay(1000); // Wait for 1000 millisecond(s)  
}
```



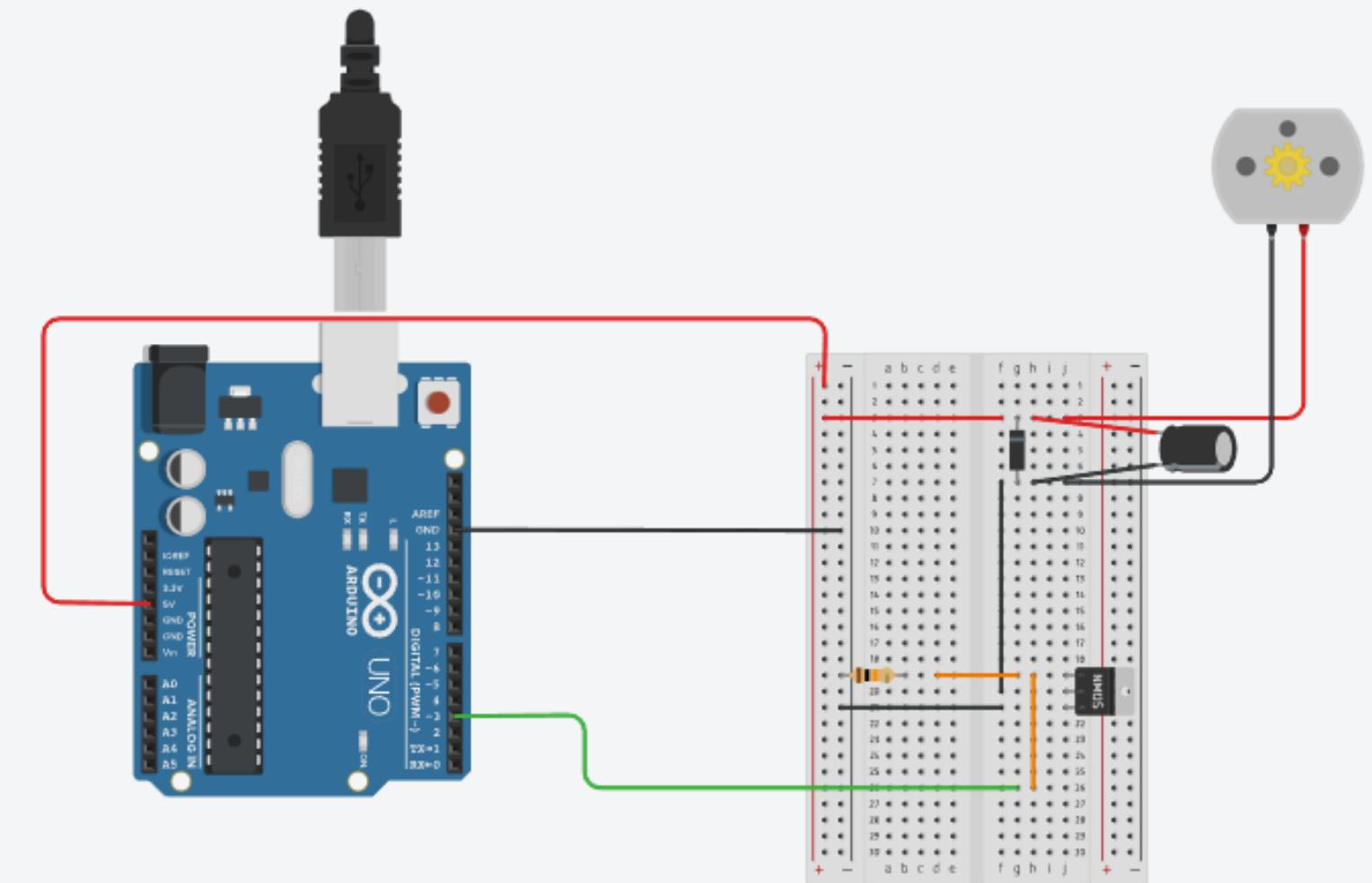
Premendo il bottone il motore si avvia

Dc motor con blinking led

```
const int led=3;

void setup() {
  //put your setup code here, to run once:
  pinMode(3,OUTPUT);
}

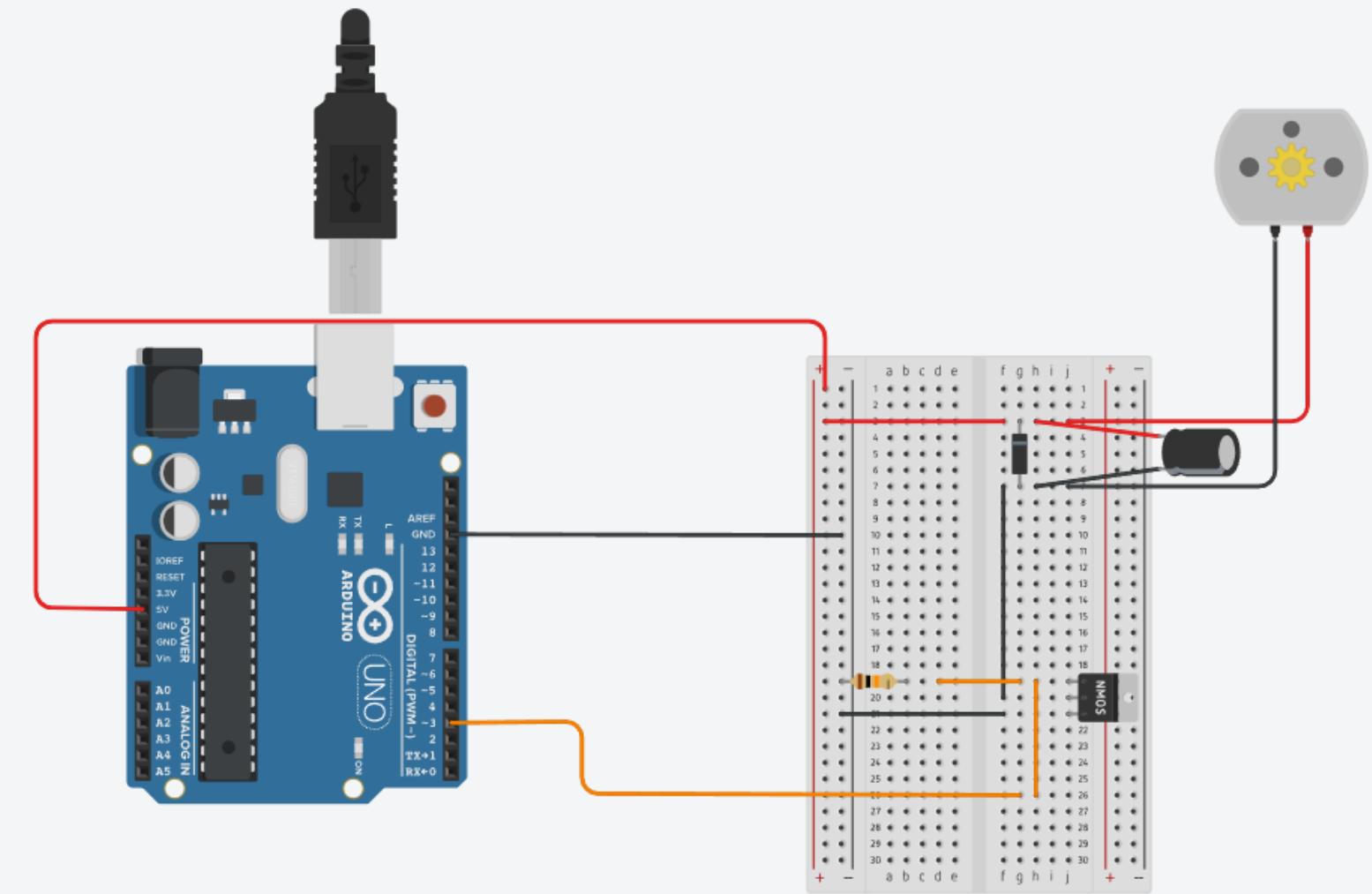
void loop() {
  //put your main code here, to run reapeatedly:
  digitalWrite(3, HIGH);
  delay(1000);
  digitalWrite(3, LOW);
}
```



Si accende e si spegne da solo

Dc motor comandato da monitor

```
int motorPin = 3;  
void setup()  
{  
pinMode (motorPin, OUTPUT);  
Serial.begin(9600);  
while (! Serial);  
Serial.println("Speed 0 to 255");  
}  
void loop()  
{  
if (Serial.available())  
{  
int speed = Serial.parseInt();  
if (speed >= 0 && speed <= 255)  
{  
analogWrite(motorPin, speed);  
}  
delay(5000);  
}  
}
```



Si sceglie da 0 a 255 (massima potenza) e in base al numero la potenza aumenta o diminuisce

Grazie per
la visione

