

```
#include <MeMegaPi.h>

const byte interruptPin =18;
const byte NE1=31;
long count=0;
unsigned long time;
unsigned long last_time;
MeMegaPiDCMotor motor1(PORT3B);
uint8_t motorSpeed = 100;
void setup()
{
    pinMode(interruptPin, INPUT_PULLUP);
    pinMode(NE1, INPUT);
    attachInterrupt(digitalPinToInterrupt(interruptPin), blink,RISING);
    Serial.begin(9600);
}
void loop()
{
    motor1.run( motorSpeed);          // value: between -255 and 255
    time =millis();
    if(time-last_time>2000)
    {
        Serial.println(count);
        last_time=time;
    }
}
void blink()
{
    if (digitalRead(NE1)>0)
        count++;
    else
        count = count -1;
}
```