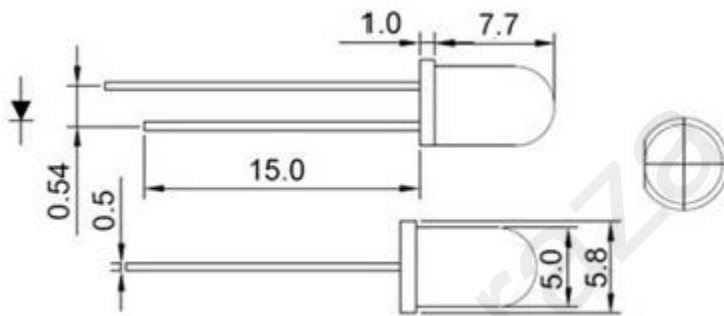# LED trailing effects

Overview

This example shows 8 LED trailing effects.

Specification

Pin definition
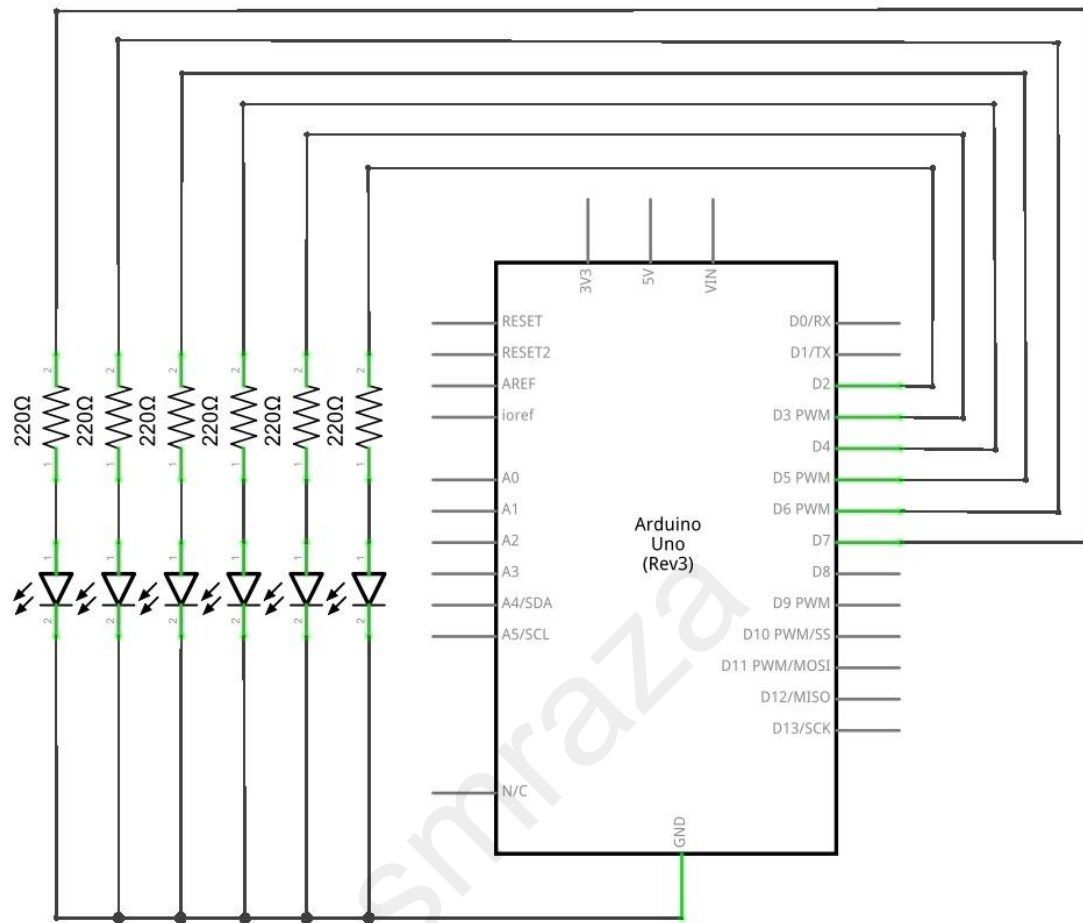LED
Long pin
Short pin
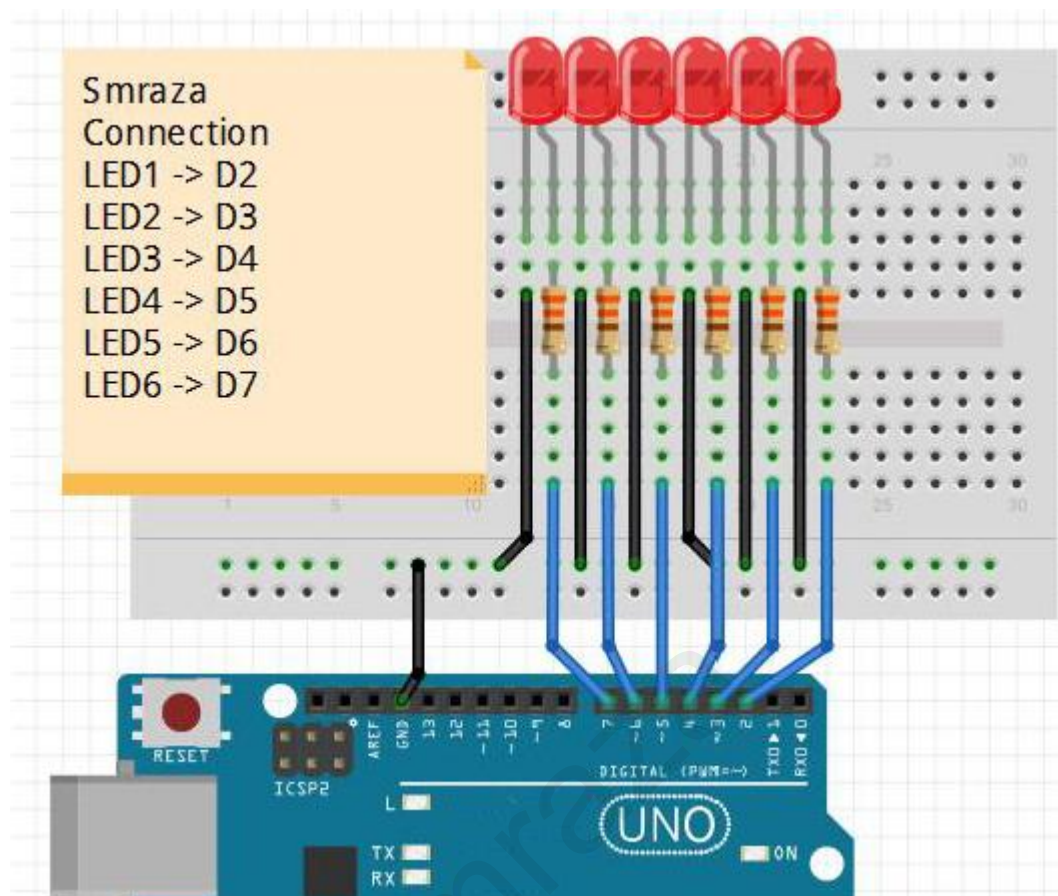
Hardware required

Material diagram	Material name	Number
	220/330Ω resistor	6
	LED	6
	USB Cable	1
	UNO R3	1
	Breadboard	1
	Jumper wires	Several

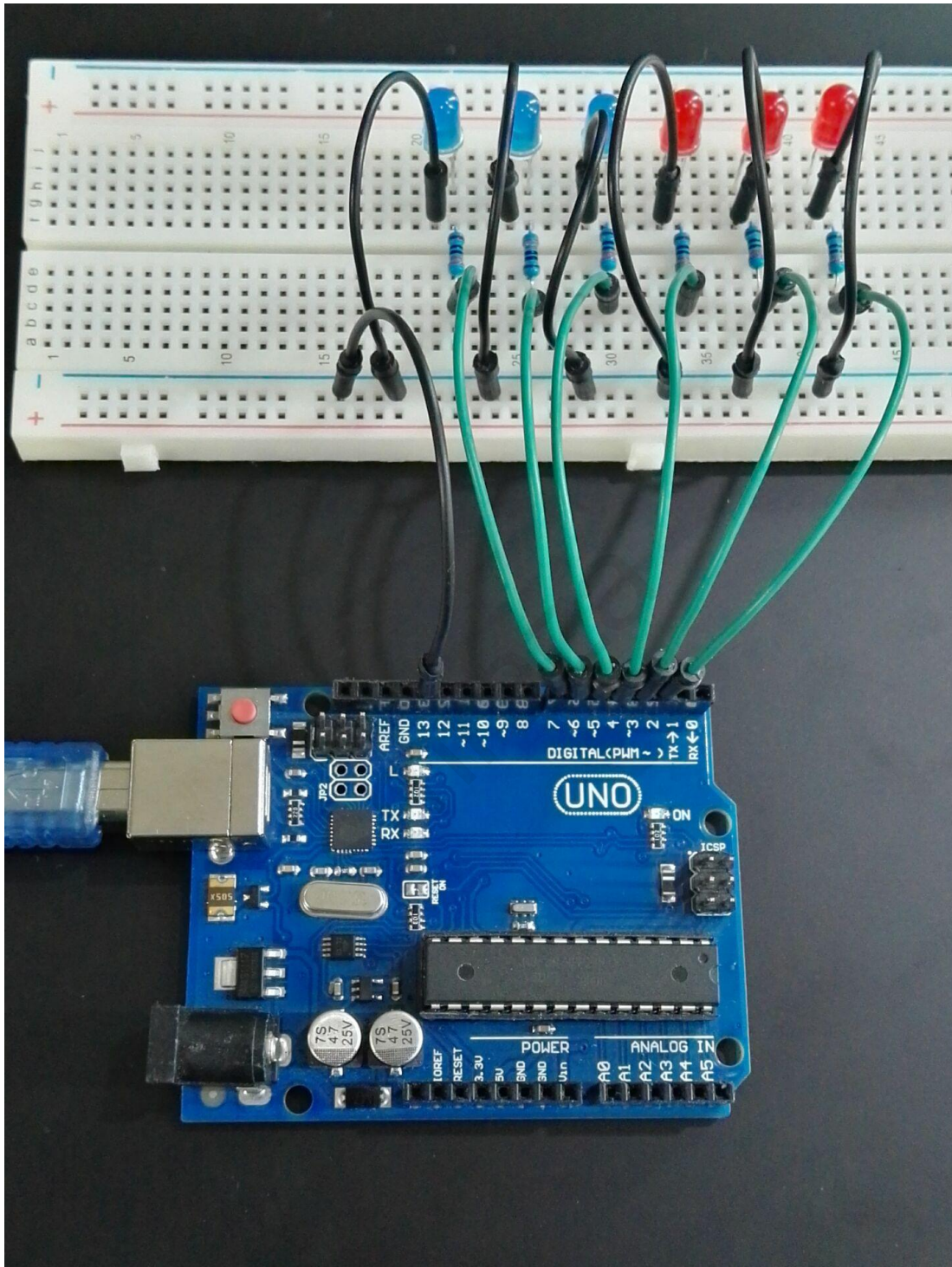# Connection

Schematic

Connection diagram

Note：The longest LED of the pin is connected to the digital signal port *(D*).

Sample code

Note : sample code under the **Sample code** folder

```
int BASE = 2;
int NUM = 6;
void setup()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
        pinMode(i, OUTPUT);      //set port 'i' as an output port
    }
}
void loop()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
    digitalWrite(i, LOW);
    delay(200);
    }
    for (int i = BASE; i < BASE + NUM; i ++)
    {
    digitalWrite(i, HIGH);
    delay(200);
    }
}
```

Example picture

Language reference

Tips : click on the following name to jump to the web page.
If you fail to open, use the Adobe reader to open this document.
int
pinMode()
OUTPUT
for()
HIGH
LOW
digitalWrite()
delay()

Application effect

You'll see all the LEDs will turn on/off regularly.

****
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* We are a leading manufacturer of electronic components for Arduino and Raspberry Pi.
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Amazon CA store: https://www.amazon.ca/shops/AMIHZKLK542FQ
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Amazon FR store: http://www.amazon.fr/shops/AVEAJYX3AHG8Q
Amazon IT store: http://www.amazon.it/shops/AVEAJYX3AHG8Q
Amazon ES store: https://www.amazon.es/shops/AVEAJYX3AHG8Q
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