

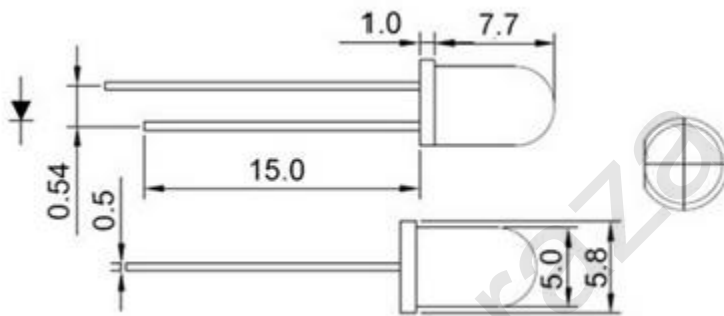
LED trailing effects

Overview



This example shows 8 LED trailing effects.





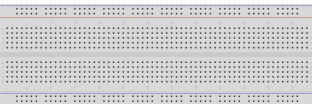

Specification



Pin definition

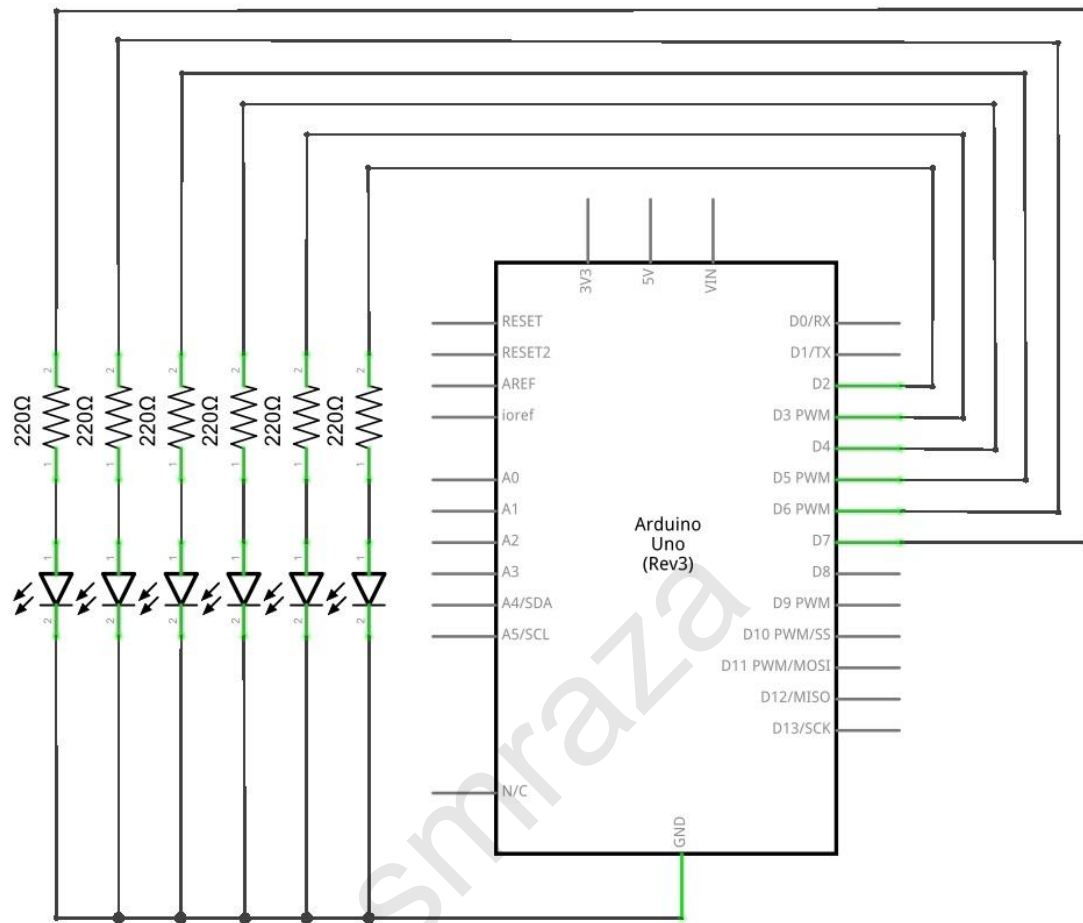
LED MEGA 2560
Long pin -> +5V
Short pin -> GND

Hardware required

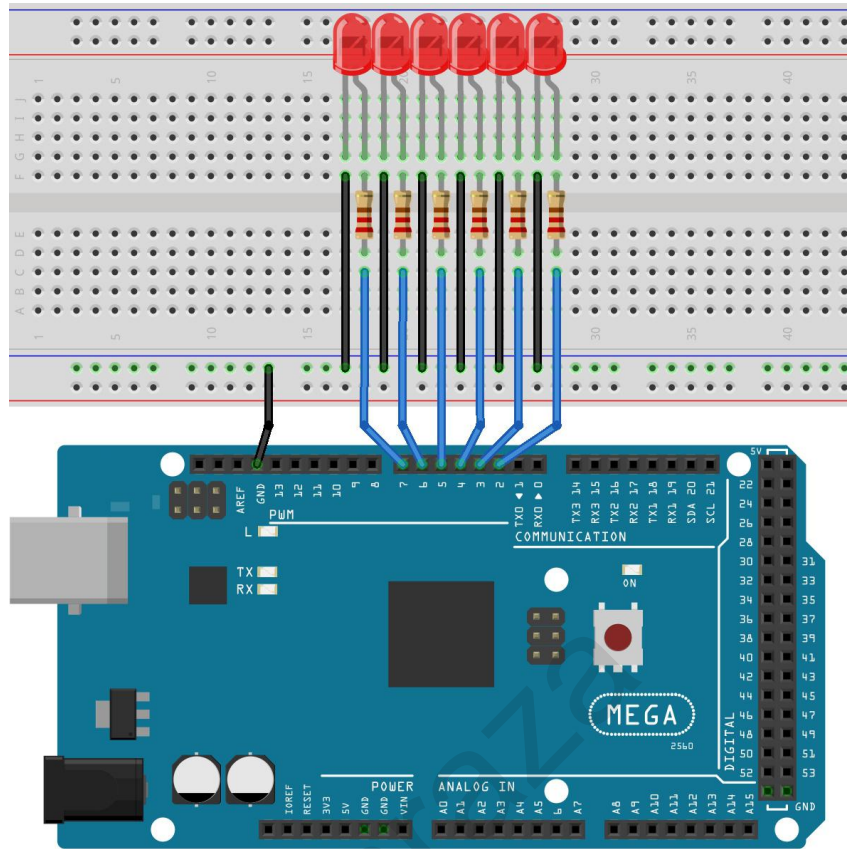
Material diagram	Material name	Number
	220/330Ω resistor	6
	LED	6
	USB Cable	1
	MEGA 2560	1
	Breadboard	1
	Jumper wires	Several

Connection

Schematic



Connection diagram



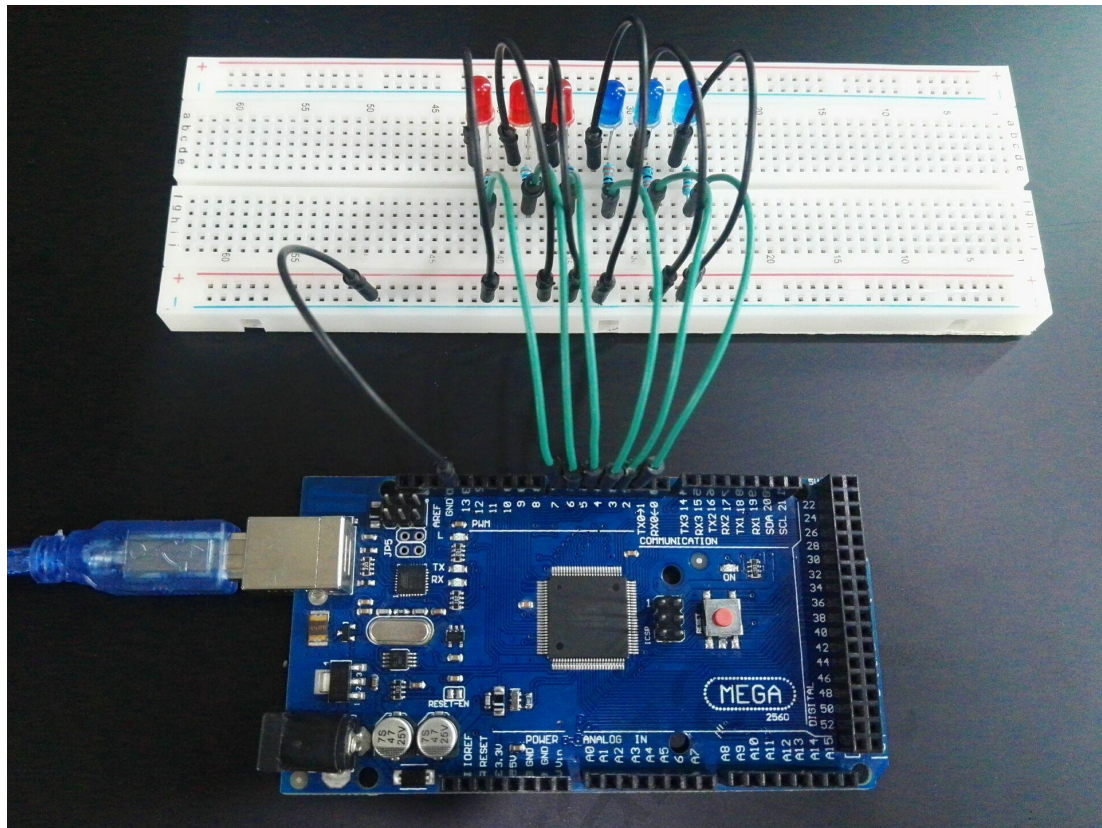
Note : The longest LED of the pin is connected to the digital signal port *(D*).

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.

* About Smraza:

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