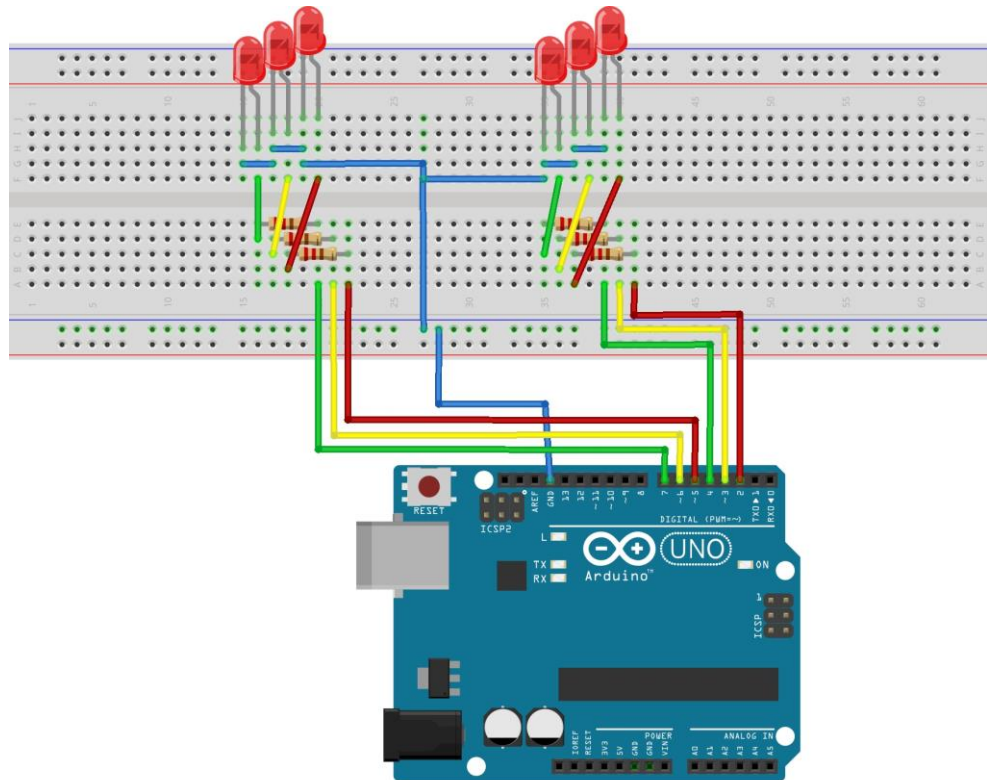


Station 2: Ampelschaltung

Material: 6x 220Ω – Widerstand
6x LED – rot / gelb / grün

Aufbau:



fritzing

Programm

```
void setup()
{
  pinMode(2, OUTPUT); // grün 1
  pinMode(3, OUTPUT); // gelb 1
  pinMode(4, OUTPUT); // rot 1
  pinMode(5, OUTPUT); // grün 2
  pinMode(6, OUTPUT); // gelb 2
  pinMode(7, OUTPUT); // rot 2
}

void loop()
{
  // rot
  digitalWrite(4, HIGH);
  digitalWrite(3, LOW);
  delay(1000);
}
```



```
// rot + gelb
digitalWrite(3, HIGH);
delay(1000);

// grün
digitalWrite(4, LOW);
digitalWrite(3, LOW);
digitalWrite(2, HIGH);
delay(5000);

// gelb
digitalWrite(3, HIGH);
digitalWrite(2, LOW);
delay(1000);
}
```