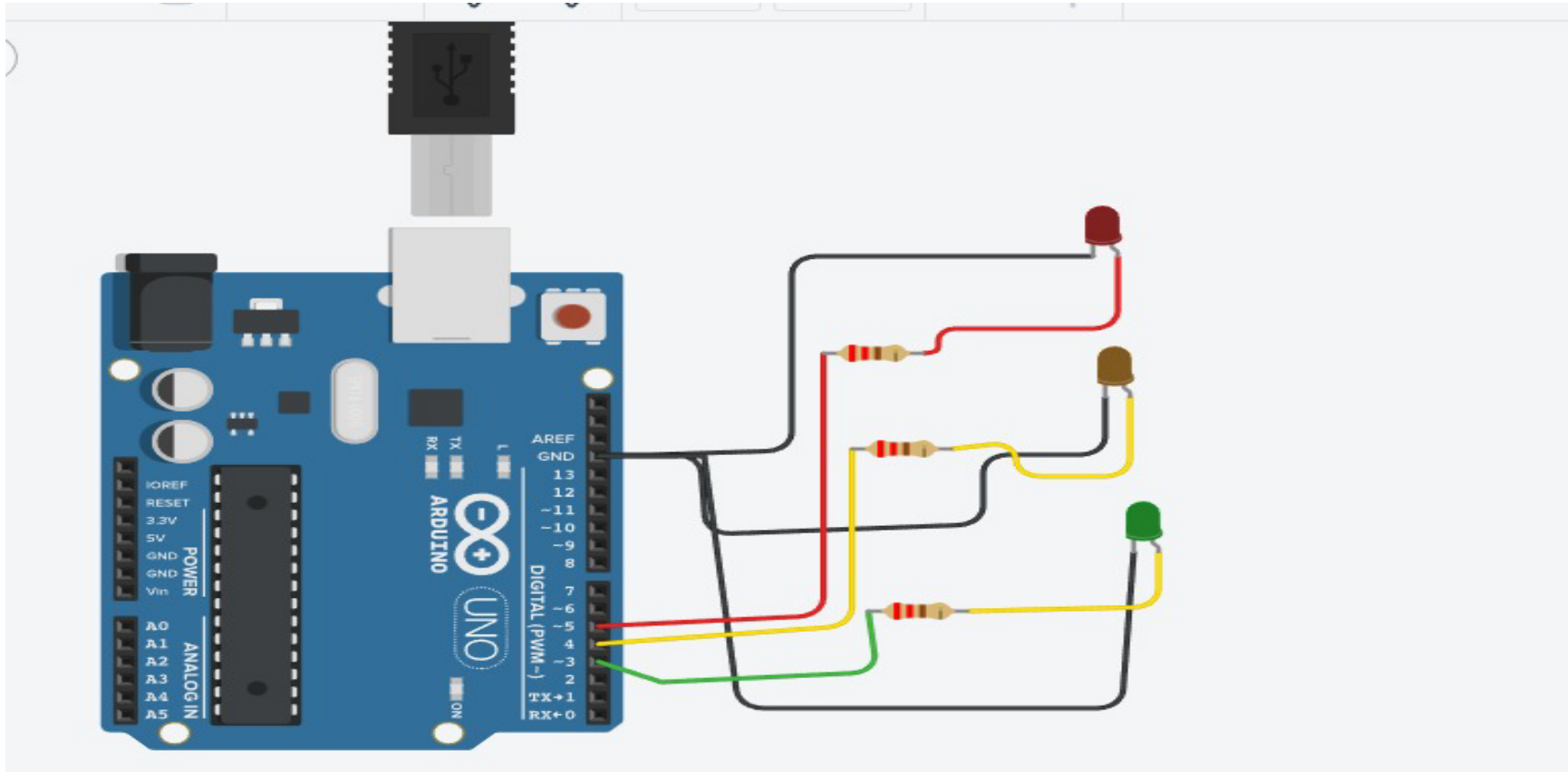
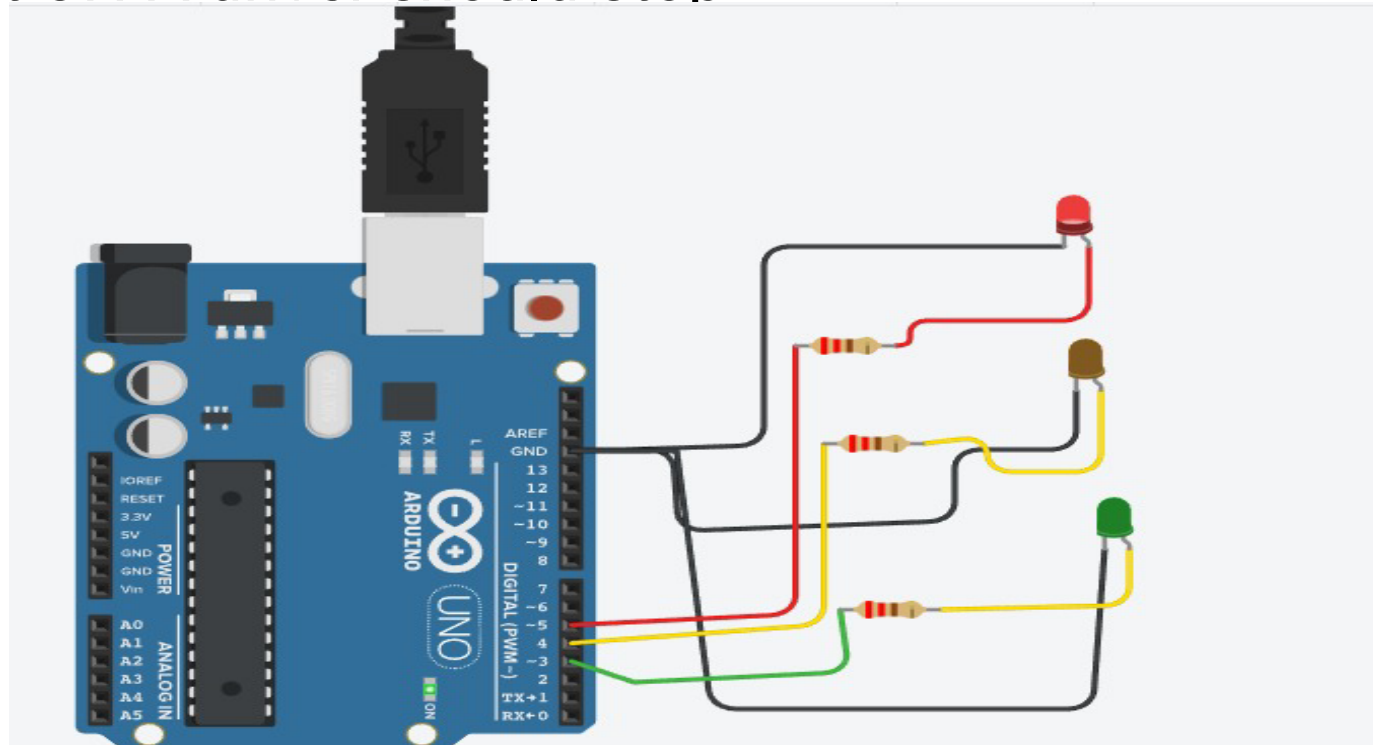


# Traffic Light Using Arduino In Tinkercad

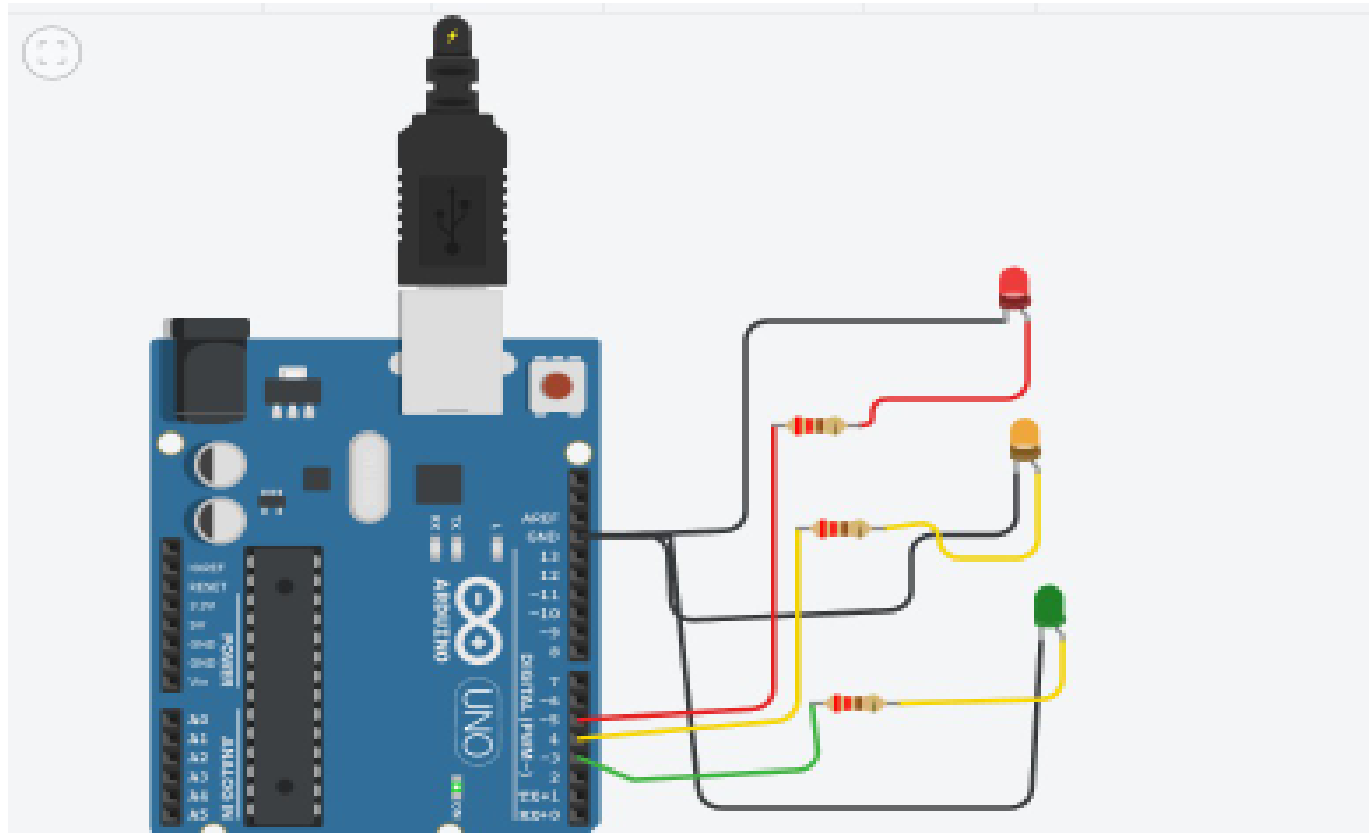
❖ Traffic light circuit:



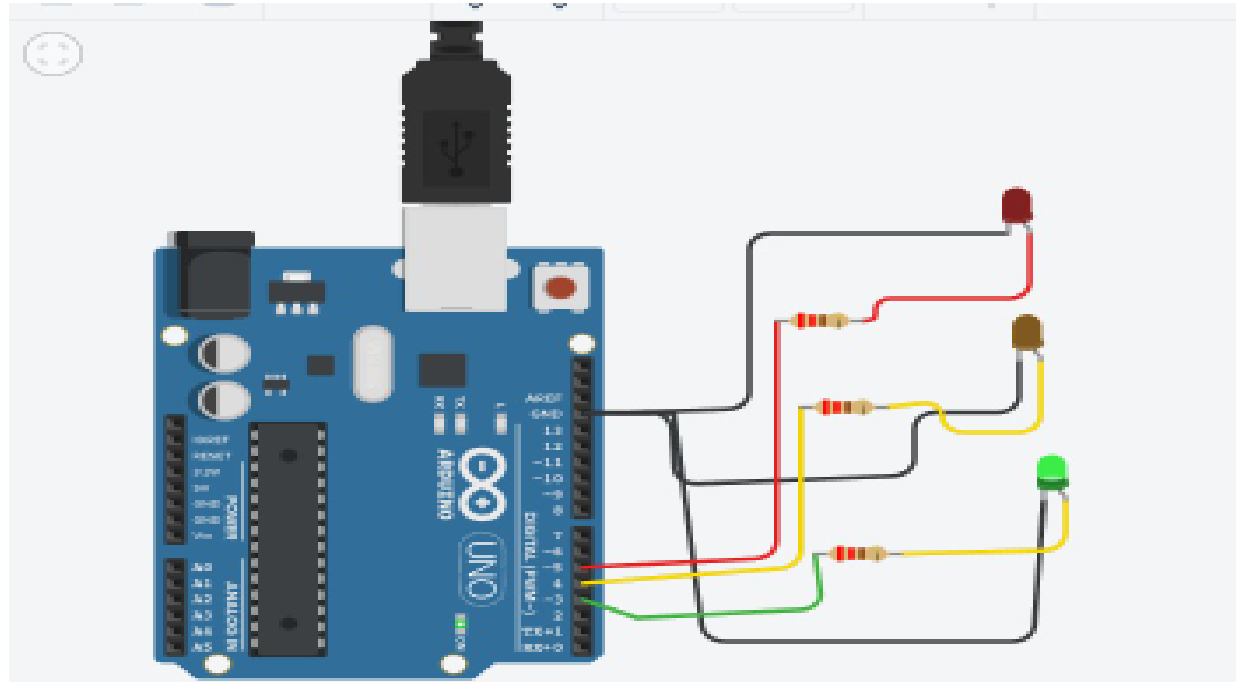
Red Light ON-A driver should stop



- Yellow Light ON-A driver has to slow down and be ready to stop



- **Green** light ON-A driver can start driving or keep driving



# Traffic light code:

```
int red = 5;
int yellow = 4;
int green = 3;
void setup()
{
  pinMode(red, OUTPUT);
  pinMode(yellow, OUTPUT);
  pinMode(green, OUTPUT);
}
void loop()
{
  changeLights();
  delay(15000);
}
```

```
void changeLights()
{
  // green off, yellow on for 3 seconds  digitalWrite(green, LOW);
  digitalWrite(yellow, HIGH);
  delay(3000);
  // turn off yellow, then turn red on for 5 seconds
  digitalWrite(yellow, LOW);
  digitalWrite(red, HIGH);
  delay(5000);
}
```

```
// red and yellow on for 2 seconds (red is already on though)
  digitalWrite(yellow, HIGH);
  delay(2000);
// turn off red and yellow, then turn on green
  digitalWrite(yellow, LOW);
  digitalWrite(red, LOW);
  digitalWrite(green, HIGH);
  delay(3000);}
```