

tincercad

SINIF KODUNUZ:

NT4GDH9L326A

<https://www.tincercad.com/joinclass/NT4GDH9L326A>

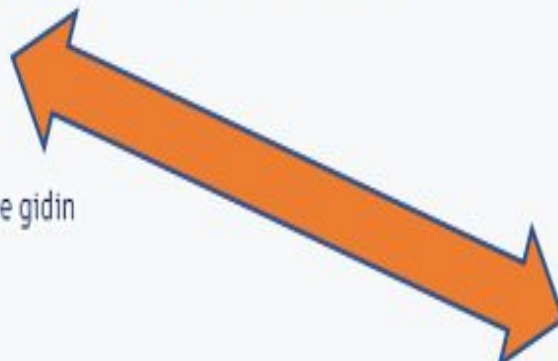
Öğrenci yönergeleri

Sınıf bağlantınız mı var?

1. <https://www.tincercad.com/joinclass/NT4GDH9L326A> adresinden sınıfınıza gidin.
2. Öğretmeninizin size atadığı **Takma Adı** girin.

Sınıf kodunuz mu var?

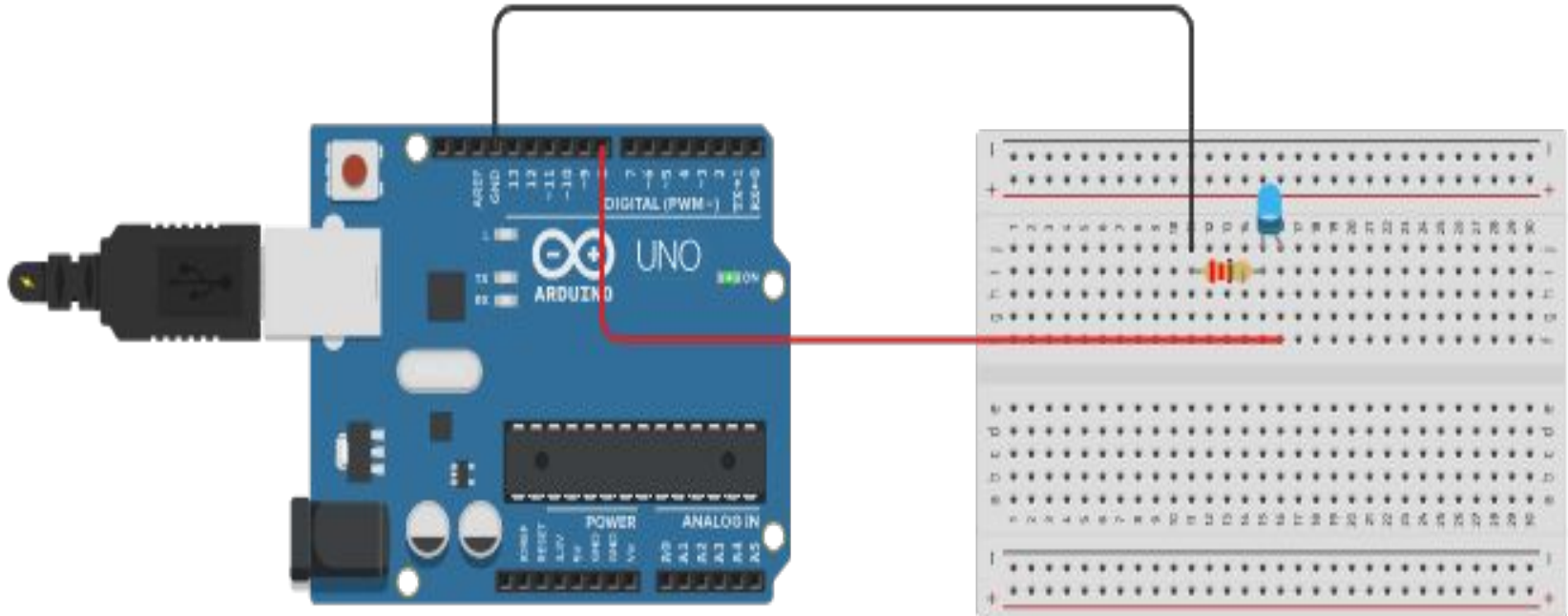
1. <https://www.tincercad.com/joinclass> adresine gidin
2. Sınıf kodunuzu girin: **NT4GDH9L326A**
3. Öğretmeninizin size atadığı **Takma Adı** girin.



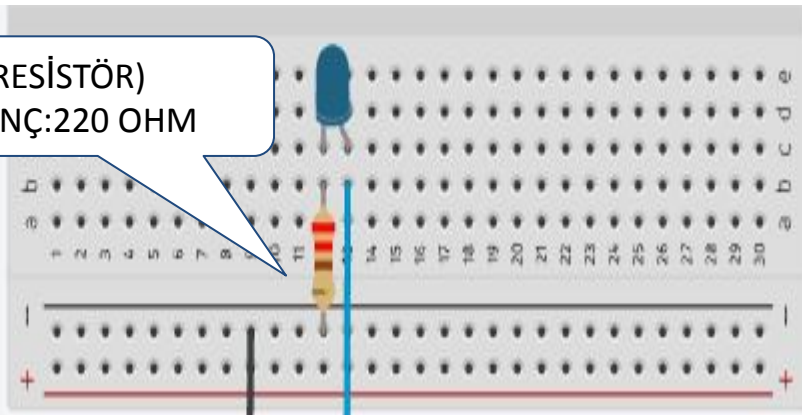
TAKMA ADLARINIZ

bil1	bil2	bil3	bil4	bil5
bil6	bil7	bil8	bil9	bil10
bil11	bil12	bil13	bil14	bil15
bil16	bil17	bil18	bil19	bil20
bil21	bil22	bil23	bil24	bil25

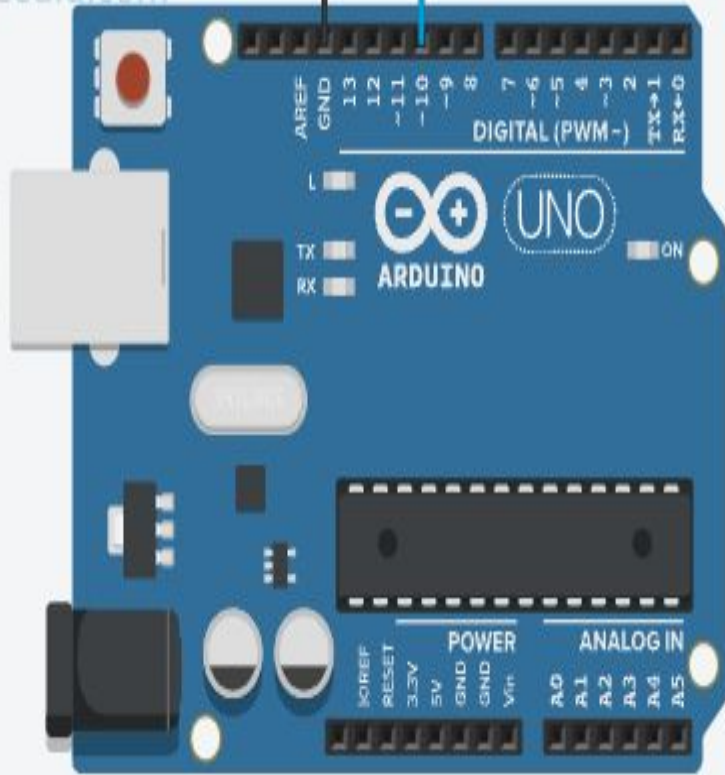
1 LED 1 DİRENÇ BASİT DEVRE



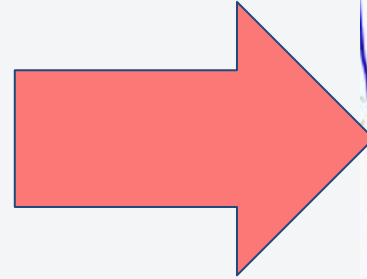
(RESİSTÖR)
DİRENÇ:220 OHM



arificedid.com



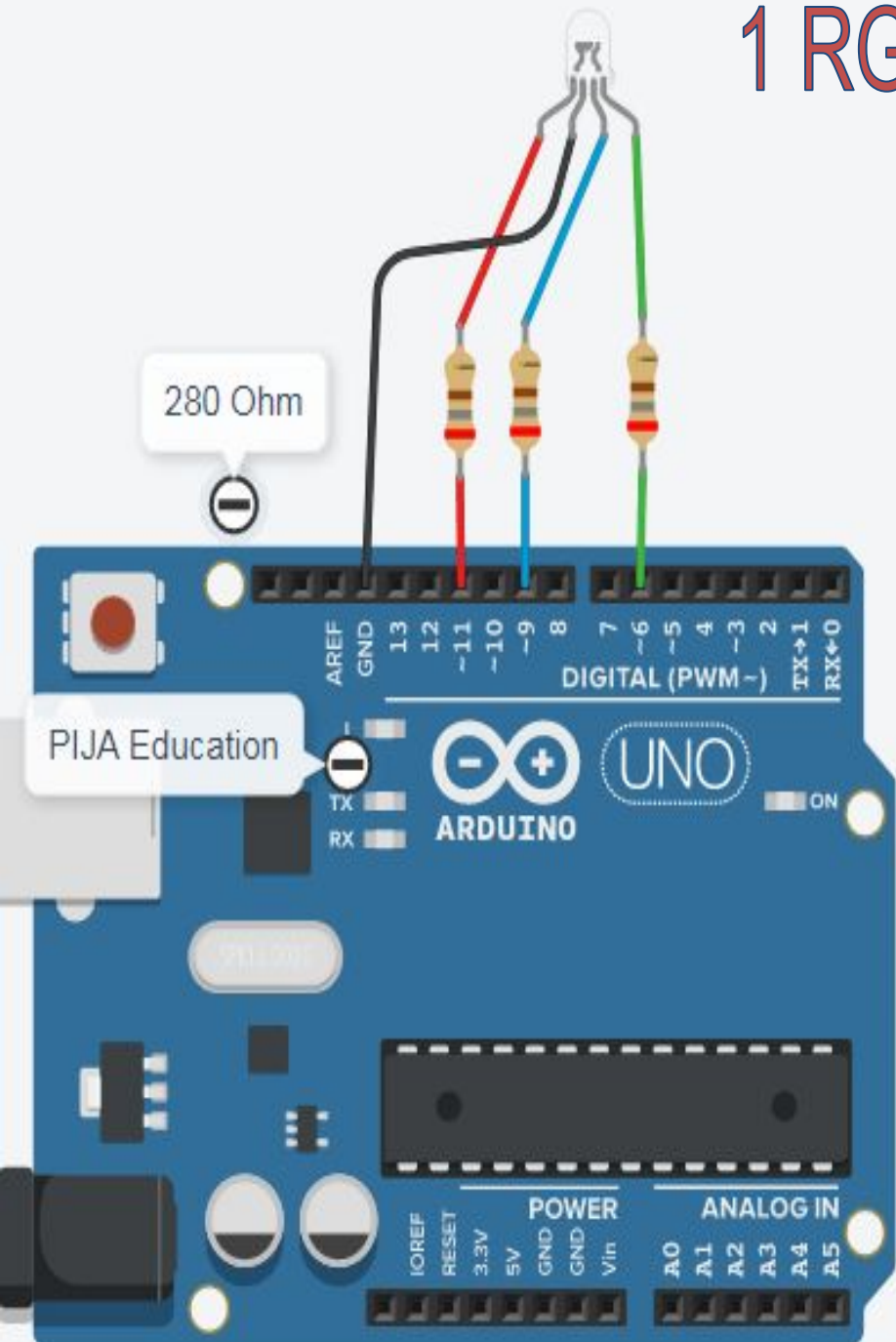
1.ADIM DEVRE ŞEMASI YAPALIM



2.ADIM KODLAMA YAPALIM

1 LED İLE KODLAMA DEVRESİ

1 RGB LED (RED GREEN BLUE)



```
set RGB LED in pins 11 9 6 to color [Red]
wait 1 secs
set RGB LED in pins 11 9 6 to color [Green]
wait 1 secs
set RGB LED in pins 11 9 6 to color [Blue]
wait 1 secs
```


title block comment Turn ON/OFF LED using Push Button

title block comment Tutorial available at: <https://pijaeducation.com>

comment Initialize button state with LOW or 0

set buttonState to 0

comment Read State of Pin number 2

set buttonState to read digital pin 2

if buttonState = 1 then

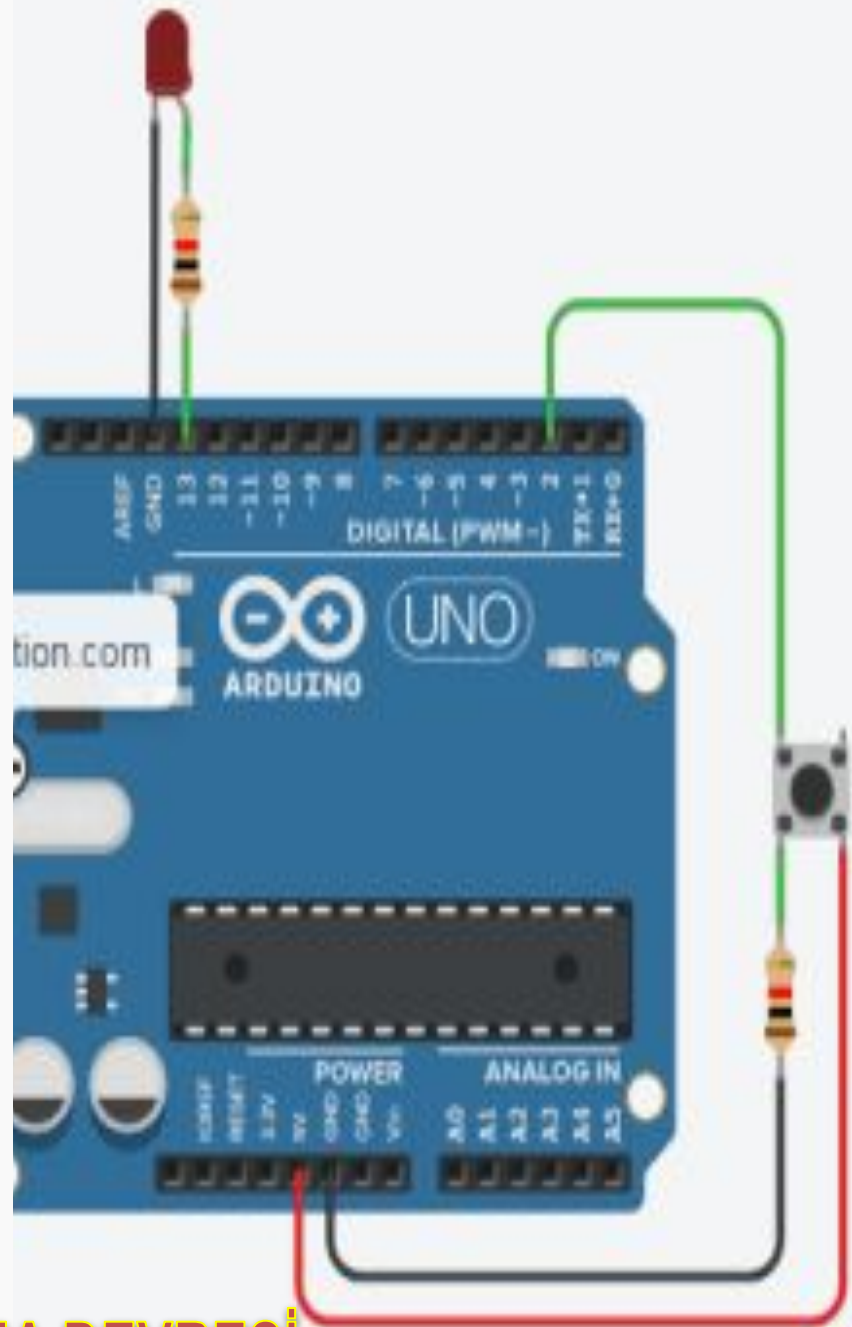
set pin 13 to HIGH

wait 1 secs

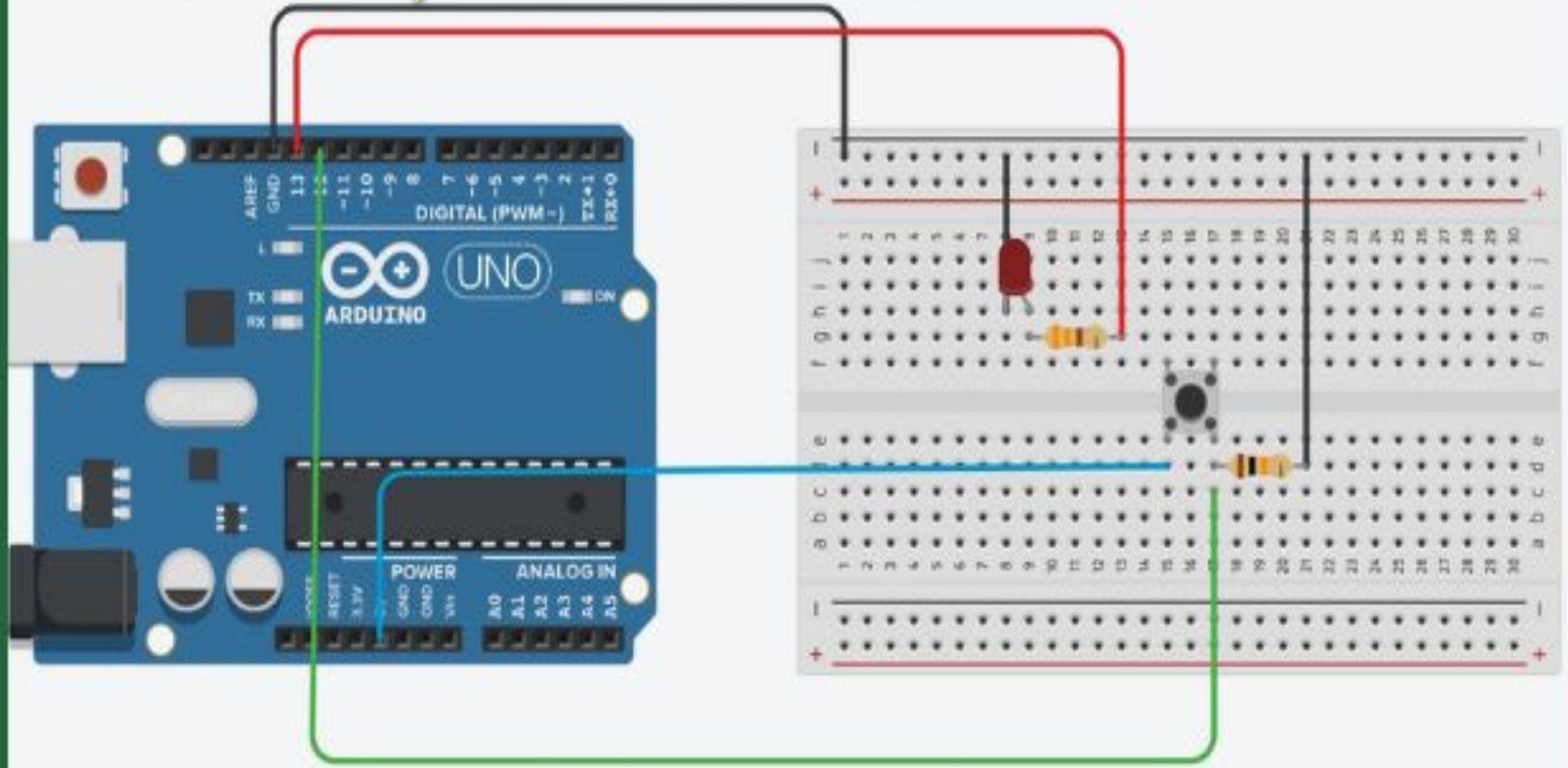
else

set pin 13 to LOW

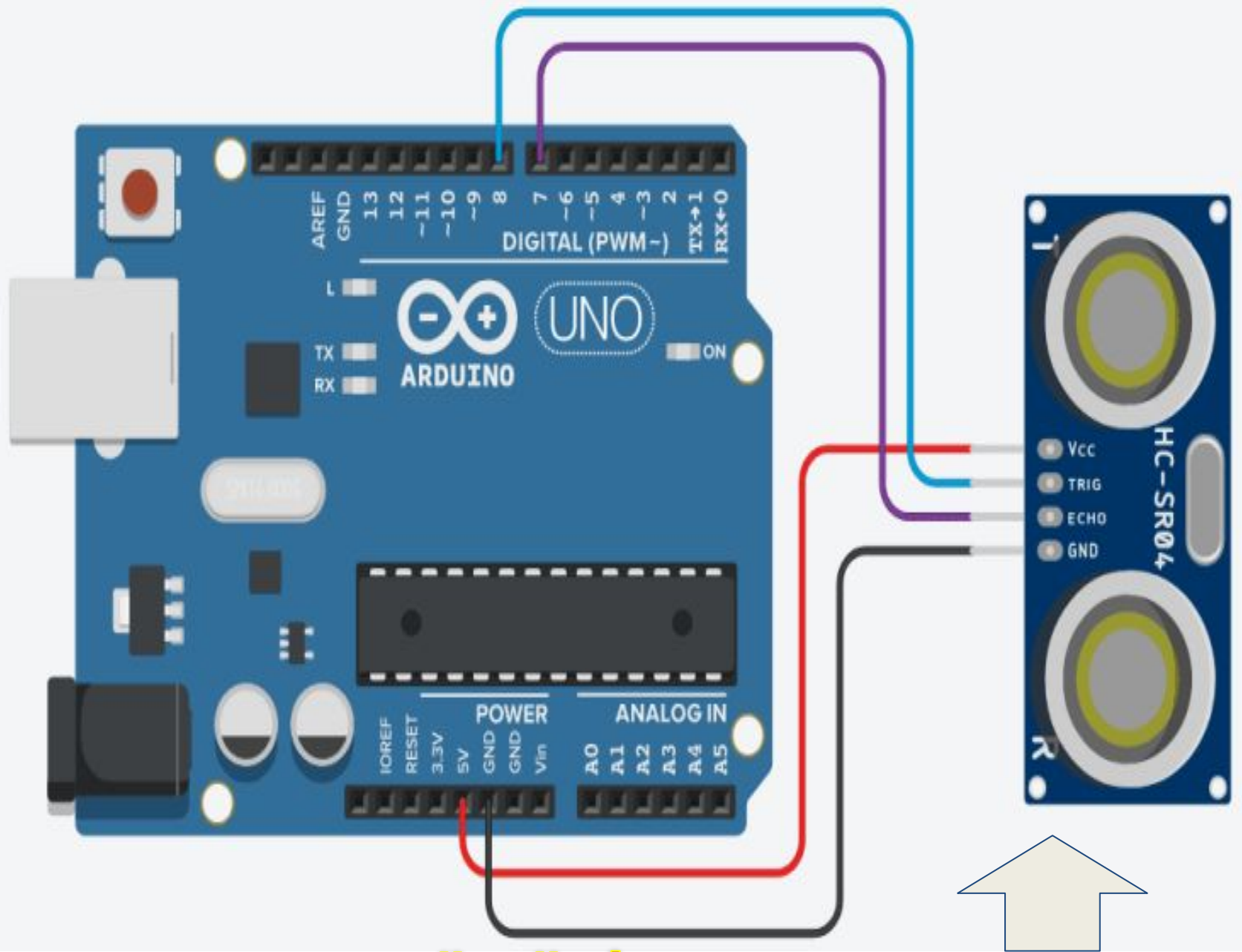
1 BUTON , 1 LED İLE KODLAMA DEVRESİ



1 BUTON , 1 LED İLE KODLAMA DEVRESİ



```
if (12 sayısal pinini oku = 1 ise
  13 pinini YÜKSEK değerine ayarla
değilse
  13 pinini ALÇAK değerine ayarla
```



MESAFE SENSÖRÜ İLE KODLAMA DEVRESİ

title block comment Tutorial: <https://pijaeducation.com>

set **centimeter** to read ultrasonic distance sensor on trigger pin **8** echo pin **7** in units **cm**

set **inches** to **centimeter** / **2.54**

print to serial monitor **inches** without **newline**

print to serial monitor **in, |** without **newline**

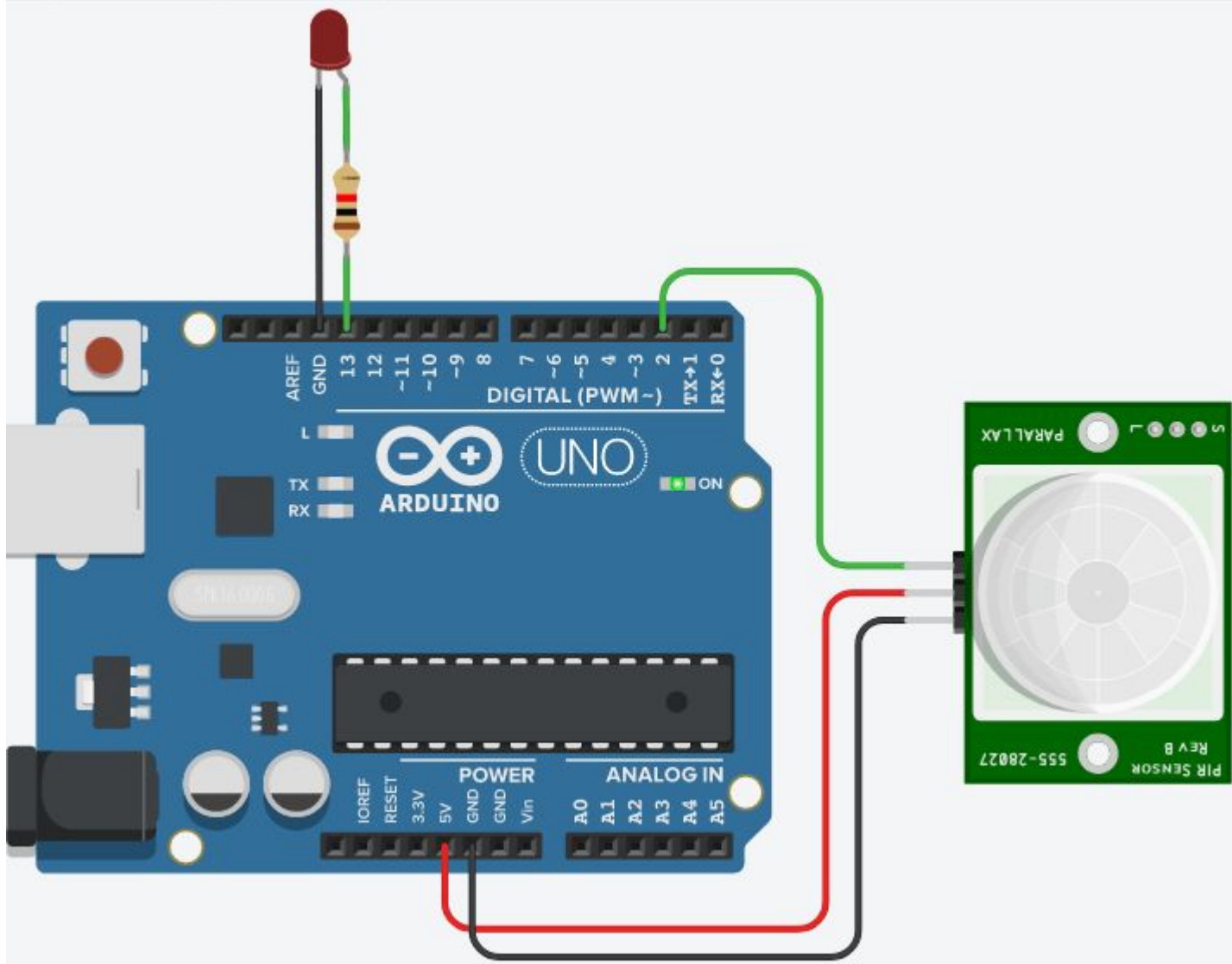
print to serial monitor **centimeter** without **newline**

print to serial monitor **cm.** with **newline**

wait **1** secs

<https://pijaeducation.com/tinkercad/code-blocks-for-ultrasonic-range-finder-project-using-arduino-in-tinkercad/>

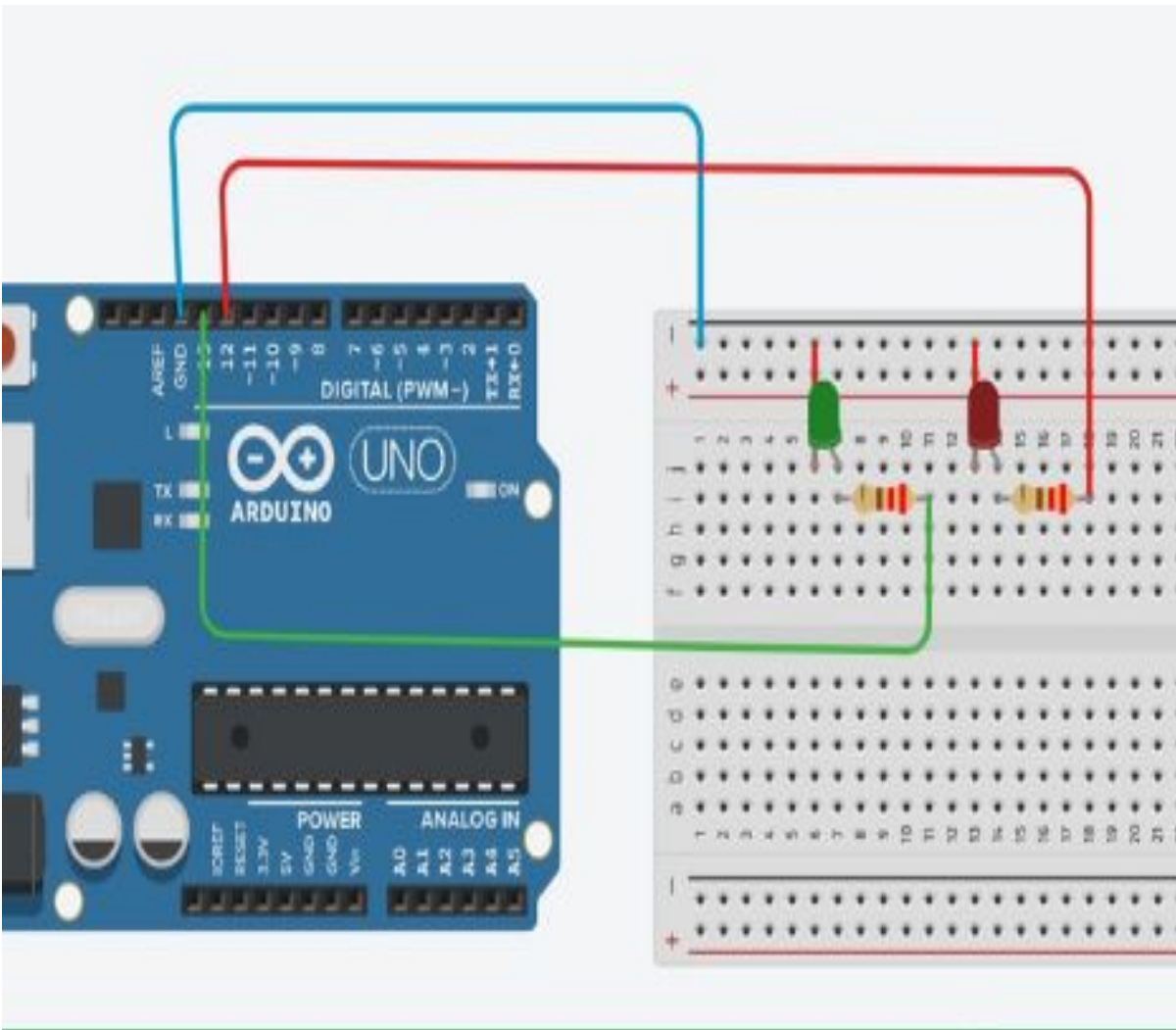
MESAFE SENSÖRÜ İLE KODLAMA DEVRESİ



PIR HAREKET SENSÖRÜ İLE KODLAMA DEVRESİ

```
set pirsensor to read digital pin 2
if pirsensor = 1 then
  set pin 13 to HIGH
  print to serial monitor Motion detected , presence of human or animals with newline
else
  set pin 13 to LOW
  print to serial monitor Motion not detected with newline
wait 1 secs
```

PIR HAREKET SENSÖRÜ İLE KODLAMA DEVRESİ

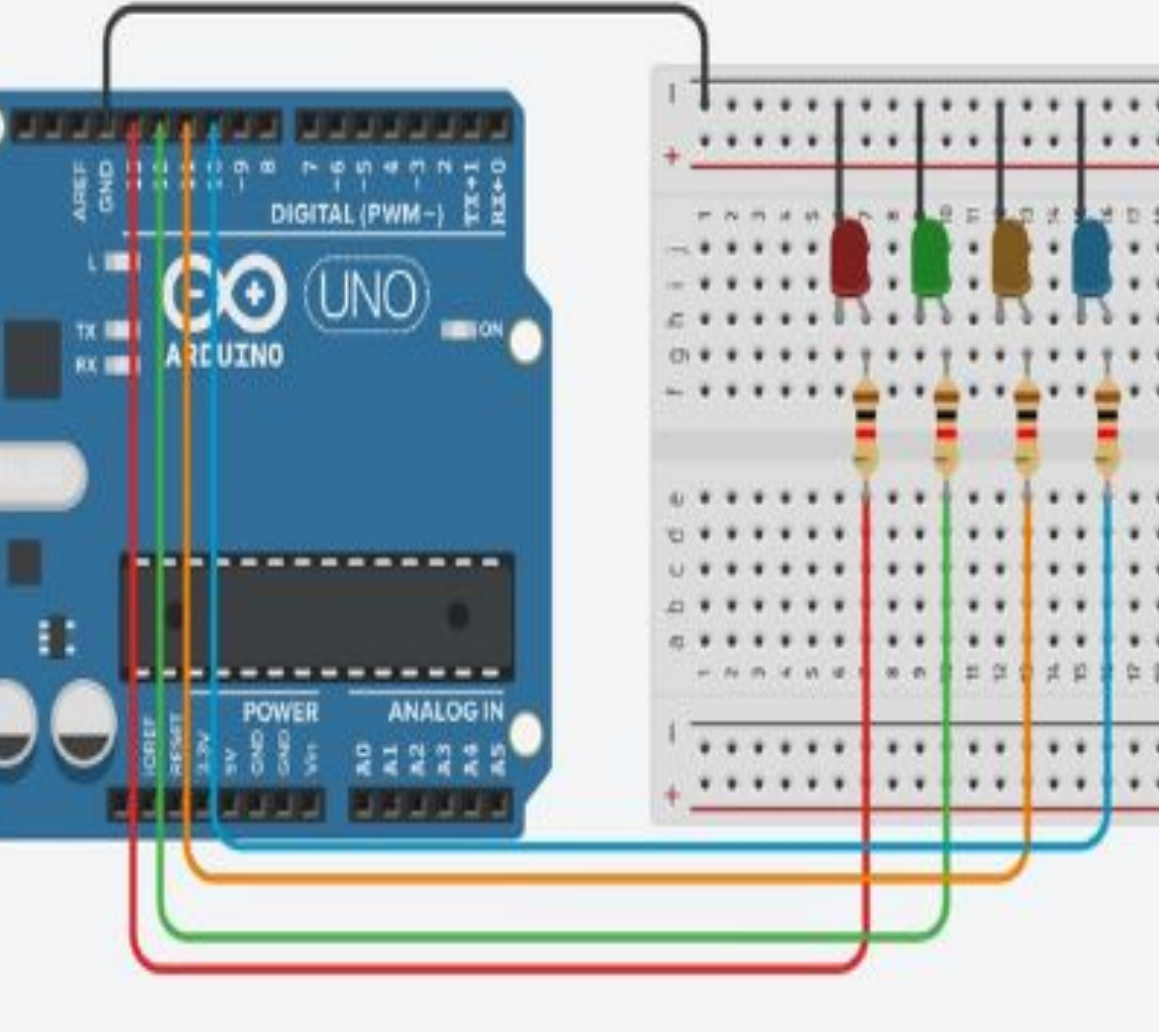


```
13 pinini YÜKSEK değerine ayarla
bekle: 1 saniye
13 pinini ALÇAK değerine ayarla
bekle: 1 saniye
12 pinini YÜKSEK değerine ayarla
bekle: 1 saniye
12 pinini ALÇAK değerine ayarla
bekle: 1 saniye
```

2 LED POLİS ÇAKAR İLE KODLAMA DEVRESİ



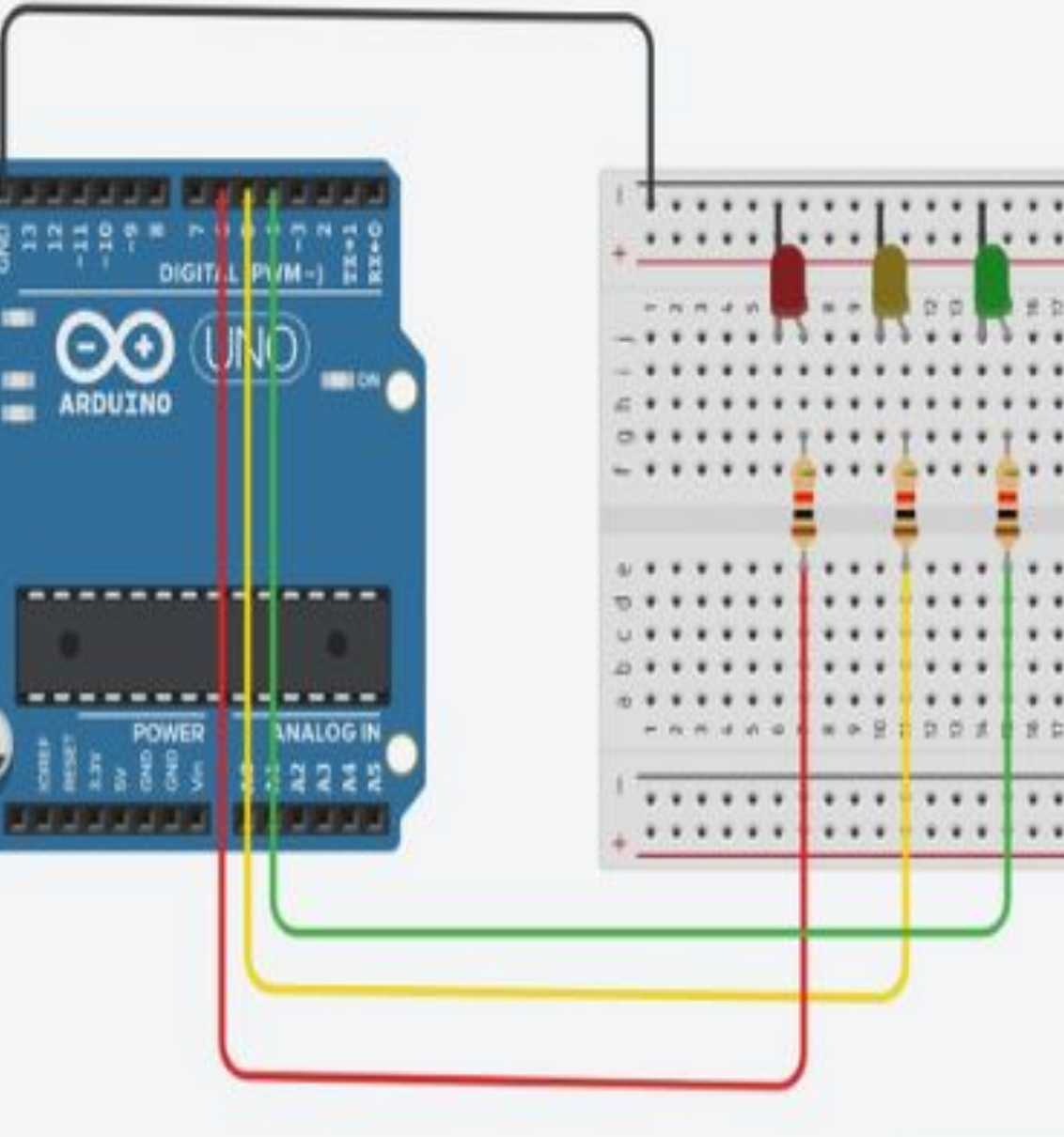
Tinkercad ile Arduino Yürüyen Işık



```
13 pinini YÜKSEK değerine ayarla
bekle: 0.5 saniye
13 pinini ALÇAK değerine ayarla
12 pinini YÜKSEK değerine ayarla
bekle: 0.5 saniye
12 pinini ALÇAK değerine ayarla
11 pinini YÜKSEK değerine ayarla
bekle: 0.5 saniye
11 pinini ALÇAK değerine ayarla
10 pinini YÜKSEK değerine ayarla
bekle: 0.5 saniye
10 pinini ALÇAK değerine ayarla
```

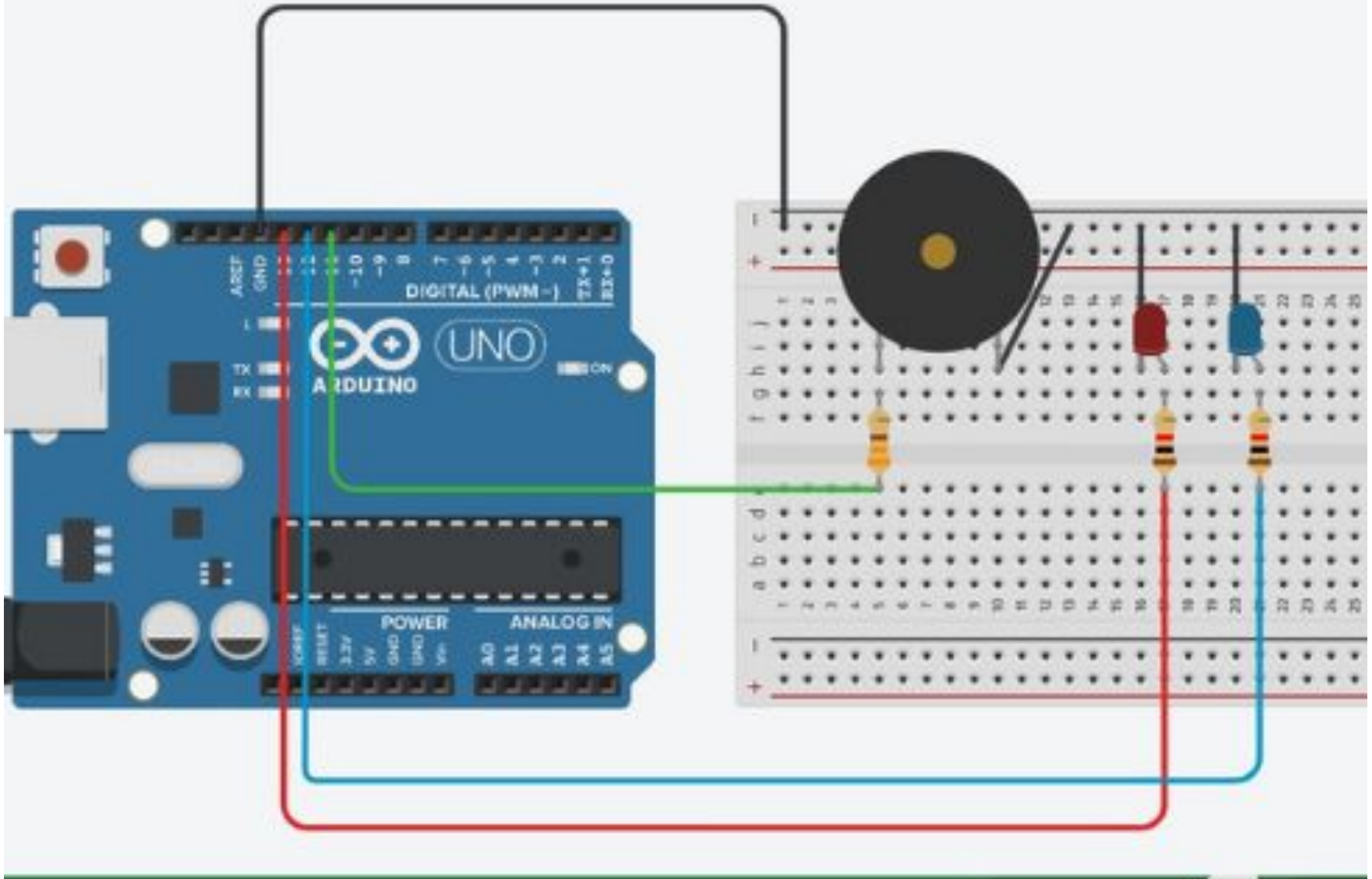
YÜRÜYEN IŞIK LED İLE KODLAMA DEVRESİ

Tinkercad ile Arduino Trafik Lambası Yapımı



```
6 pinini YÜKSEK değerine ayarla
5 pinini ALÇAK değerine ayarla
4 pinini ALÇAK değerine ayarla
bekle: 5 saniye
6 pinini ALÇAK değerine ayarla
5 pinini YÜKSEK değerine ayarla
4 pinini ALÇAK değerine ayarla
bekle: 2 saniye
6 pinini ALÇAK değerine ayarla
5 pinini ALÇAK değerine ayarla
4 pinini YÜKSEK değerine ayarla
bekle: 5 saniye
```

Tinkercad ile Arduino Polis Sireni Yapımı



```
tekrarla: 10 kere
  11 pininde hoparlörü 60 tonuyla 0.5 saniye çal
  tekrarla: 5 kere
    12 pinini YÜKSEK değerine ayarla
    bekle: 0.075 saniye
    12 pinini ALÇAK değerine ayarla
    bekle: 0.025 saniye
  11 pininde hoparlörü 30 tonuyla 0.5 saniye çal
  tekrarla: 5 kere
    13 pinini YÜKSEK değerine ayarla
    bekle: 0.075 saniye
    13 pinini ALÇAK değerine ayarla
    bekle: 0.025 saniye
```

