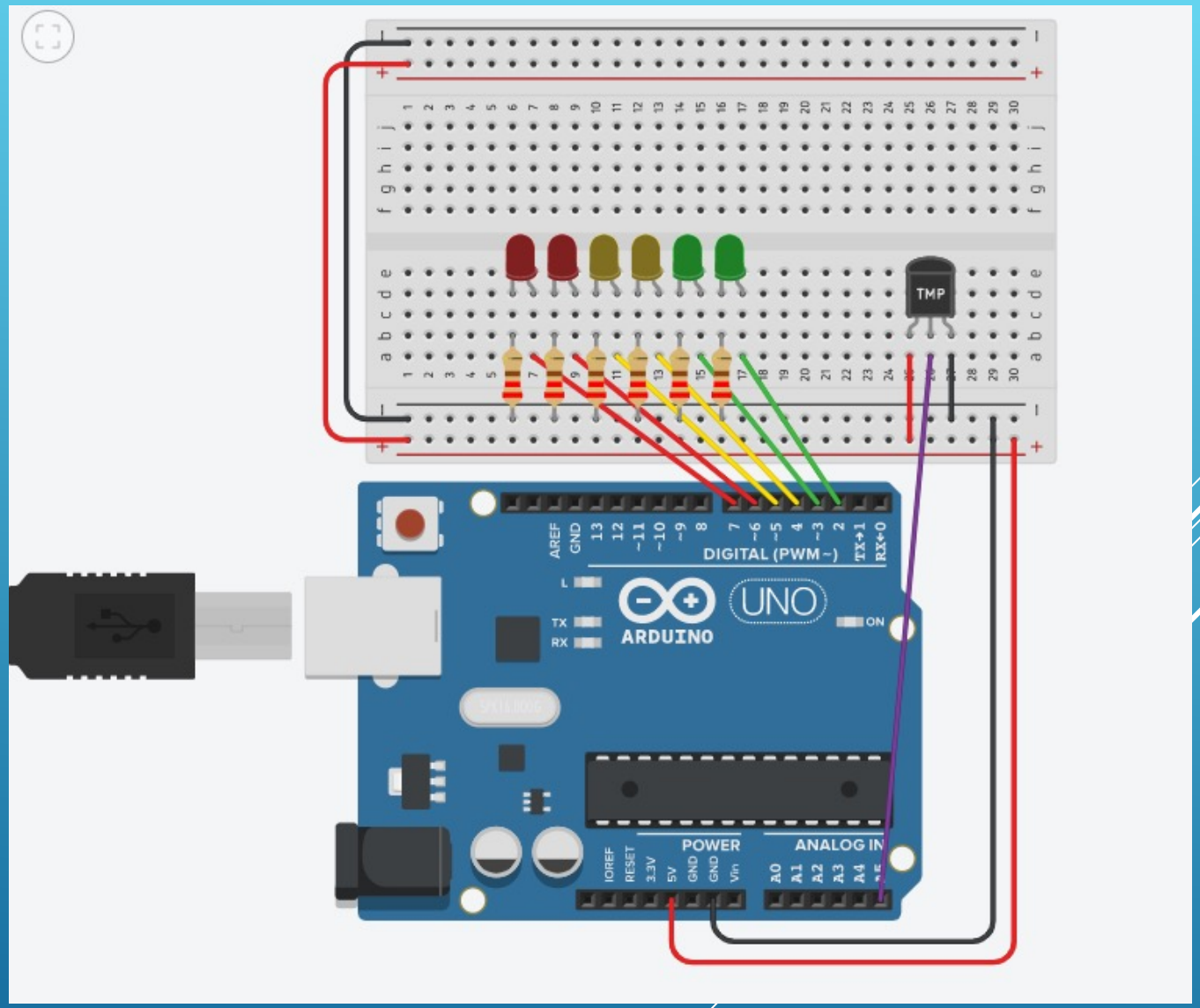
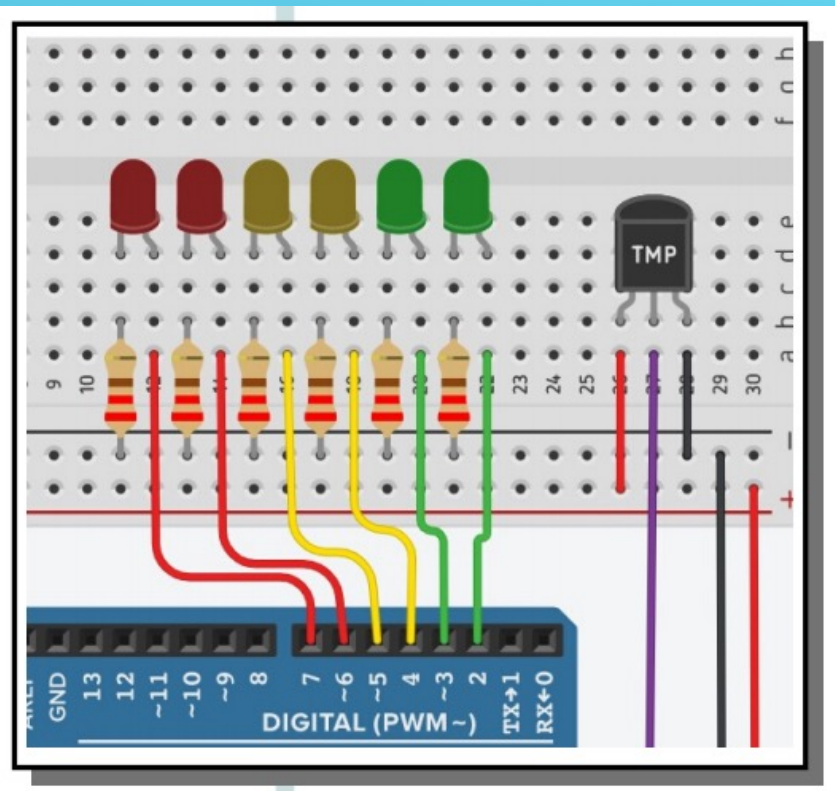
- Digital thermometer
- Connect the purple cable to A5





Output
Input
Notation
Control
Math
Variables

Create variable...

temp

set temp to 0

change temp by 0

set temp to read temperature sensor on pin A5 in units °C

if temp ≥ 20 then

set pin 2 to HIGH

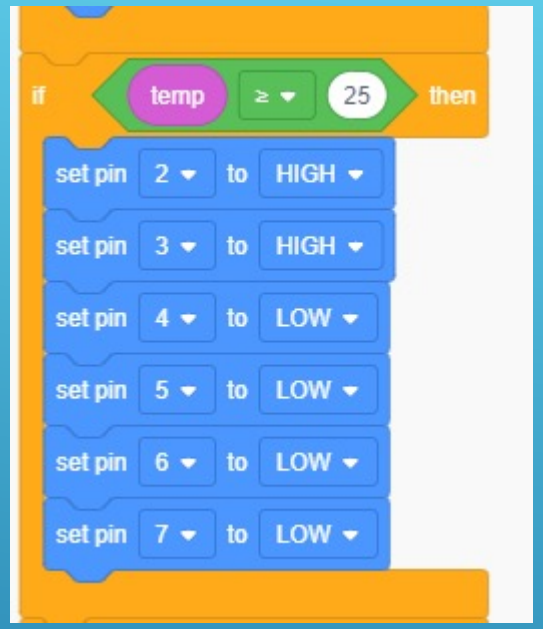
set pin 3 to LOW

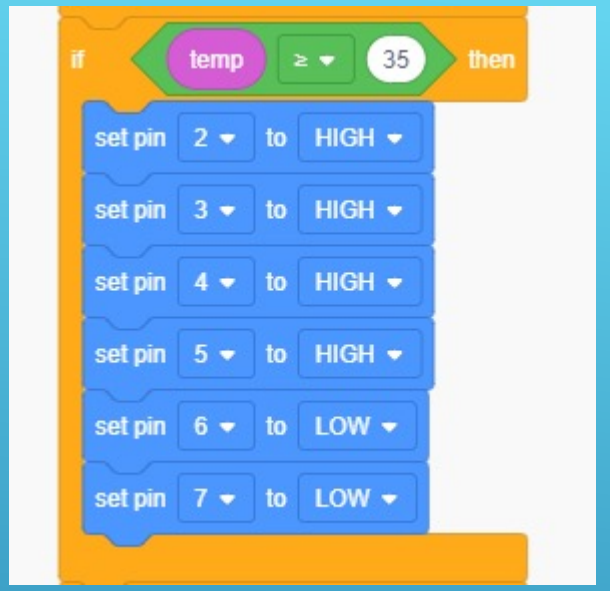
set pin 4 to LOW

set pin 5 to LOW

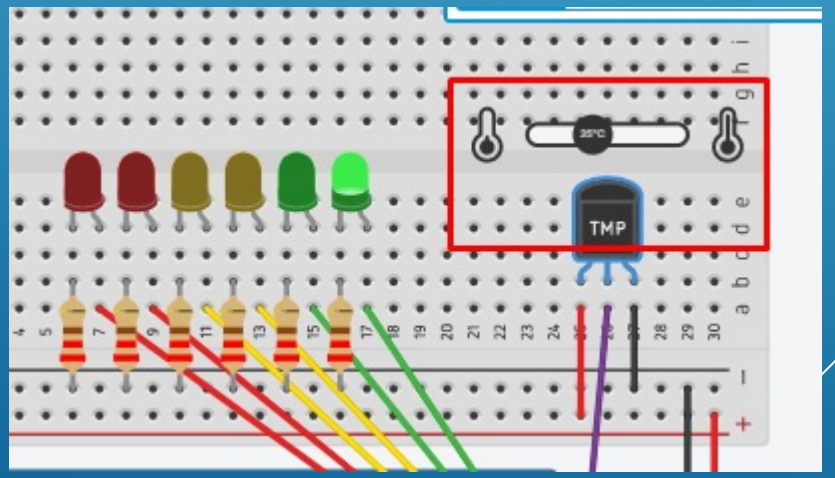
set pin 6 to LOW

set pin 7 to LOW

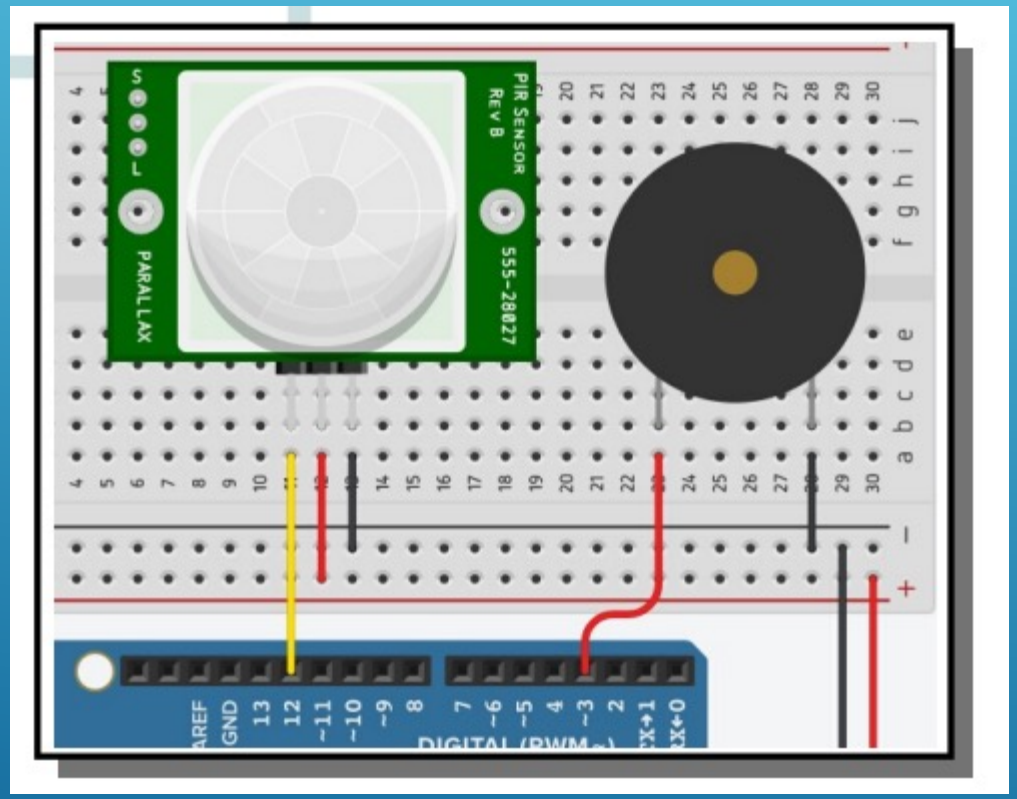


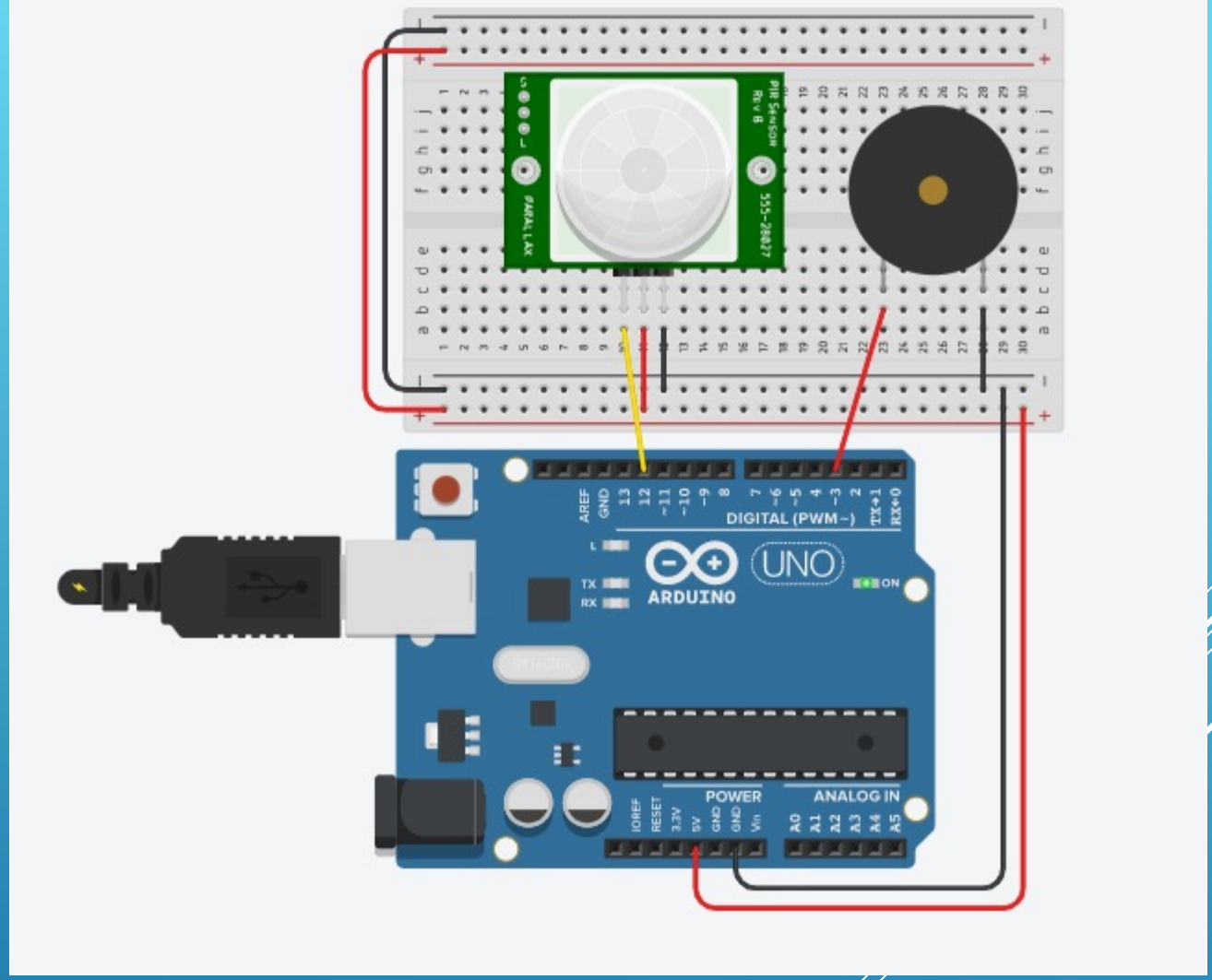


The leds will light according to the temperature.

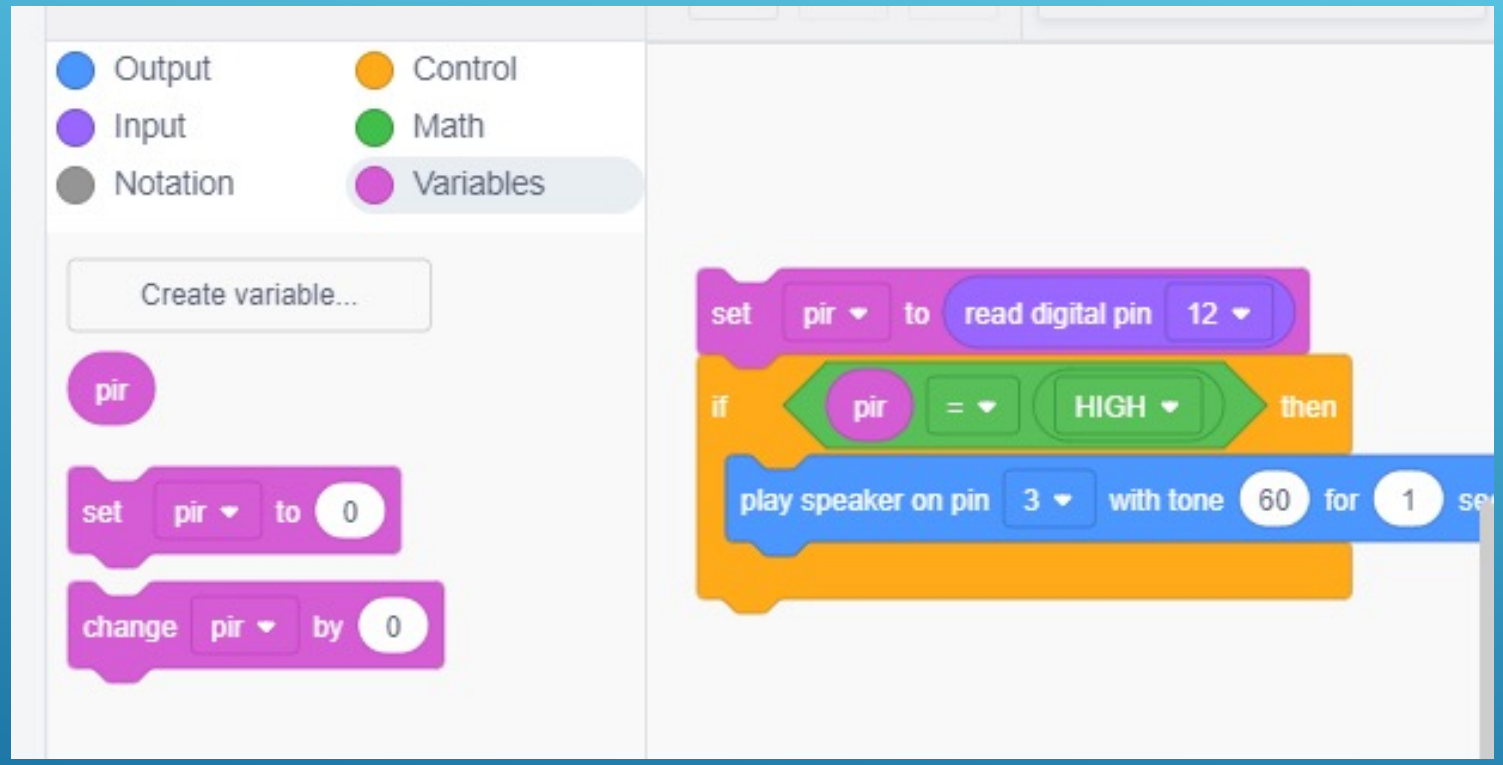


- Intruder alarm

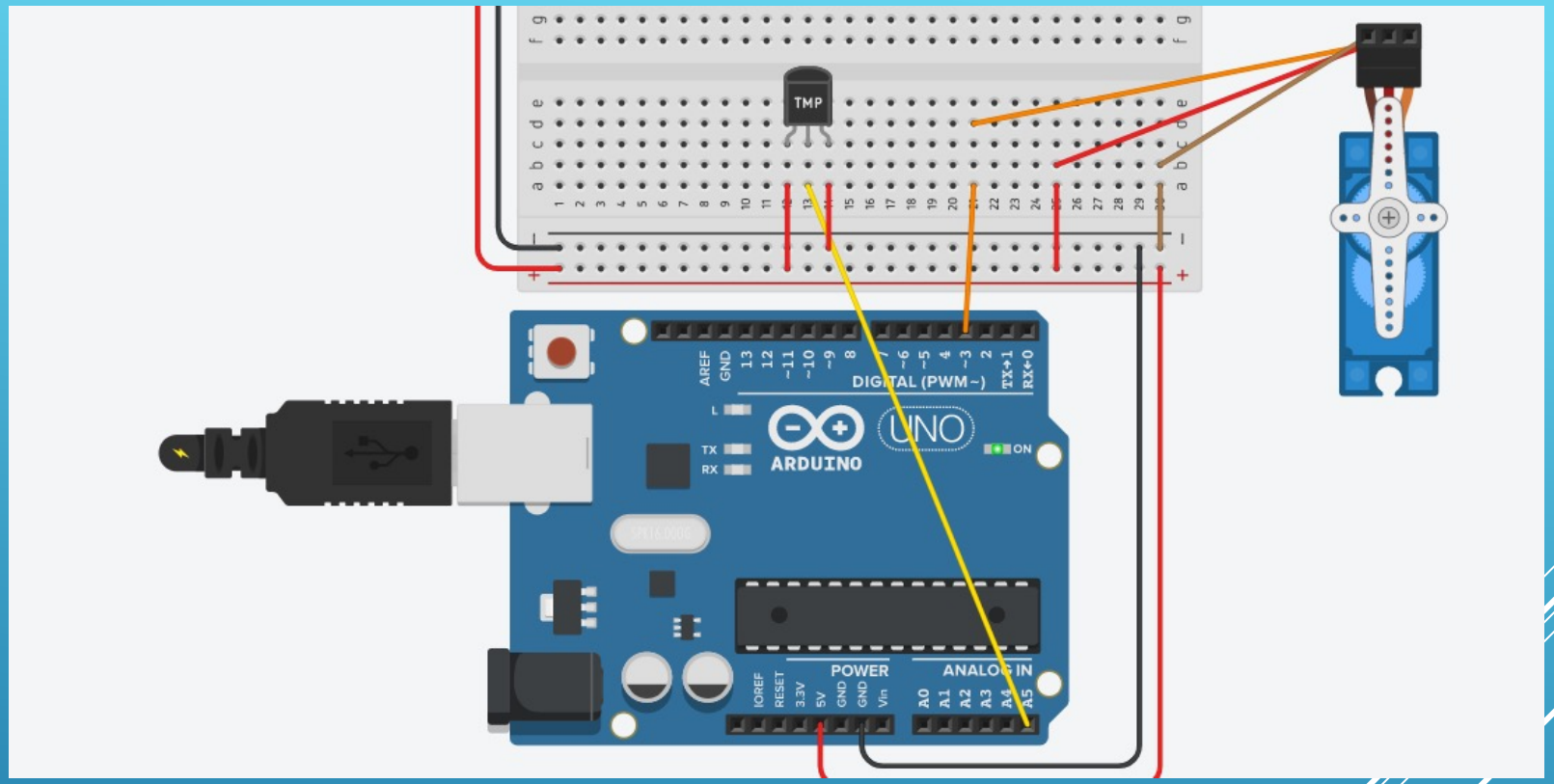


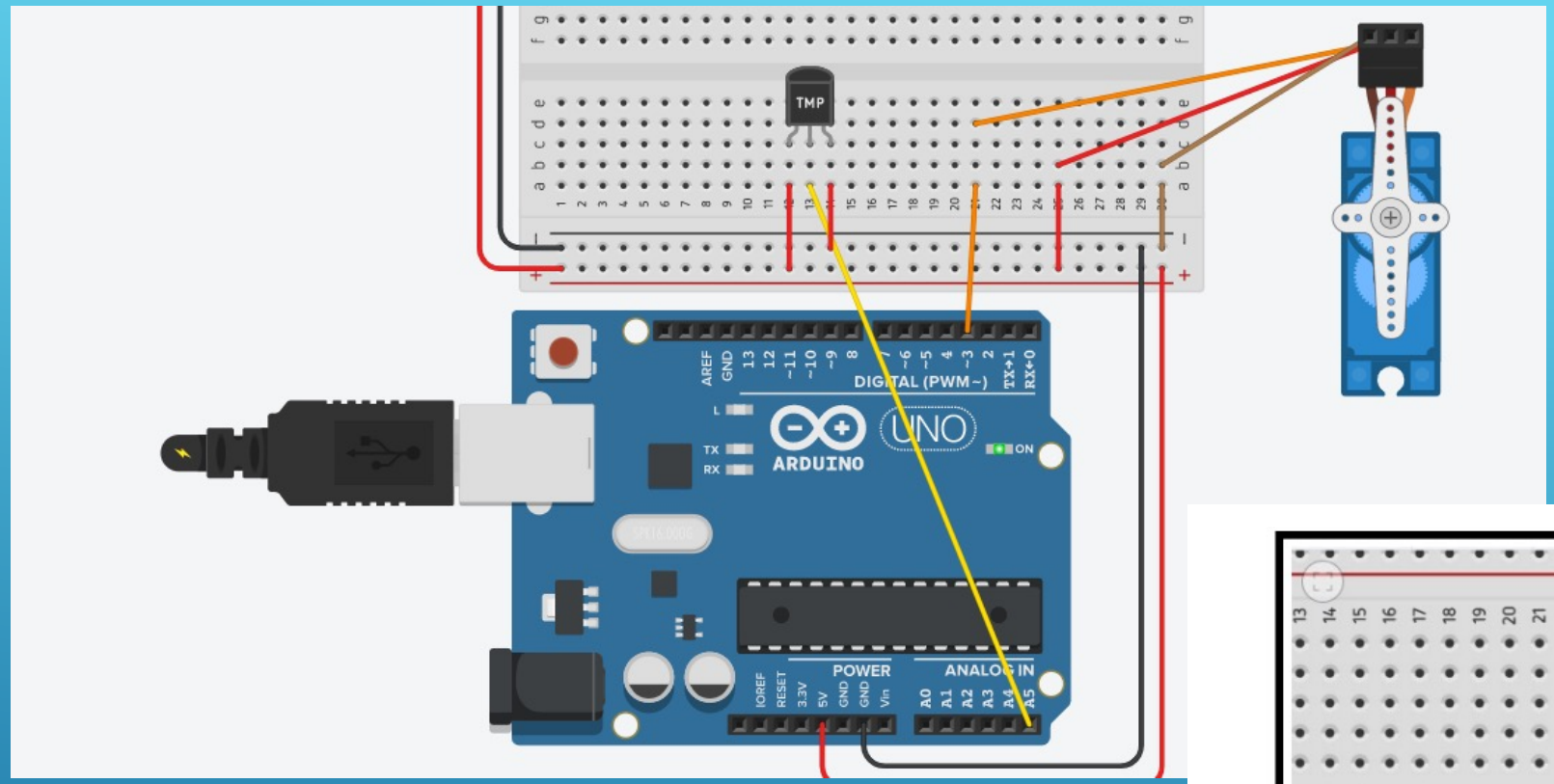


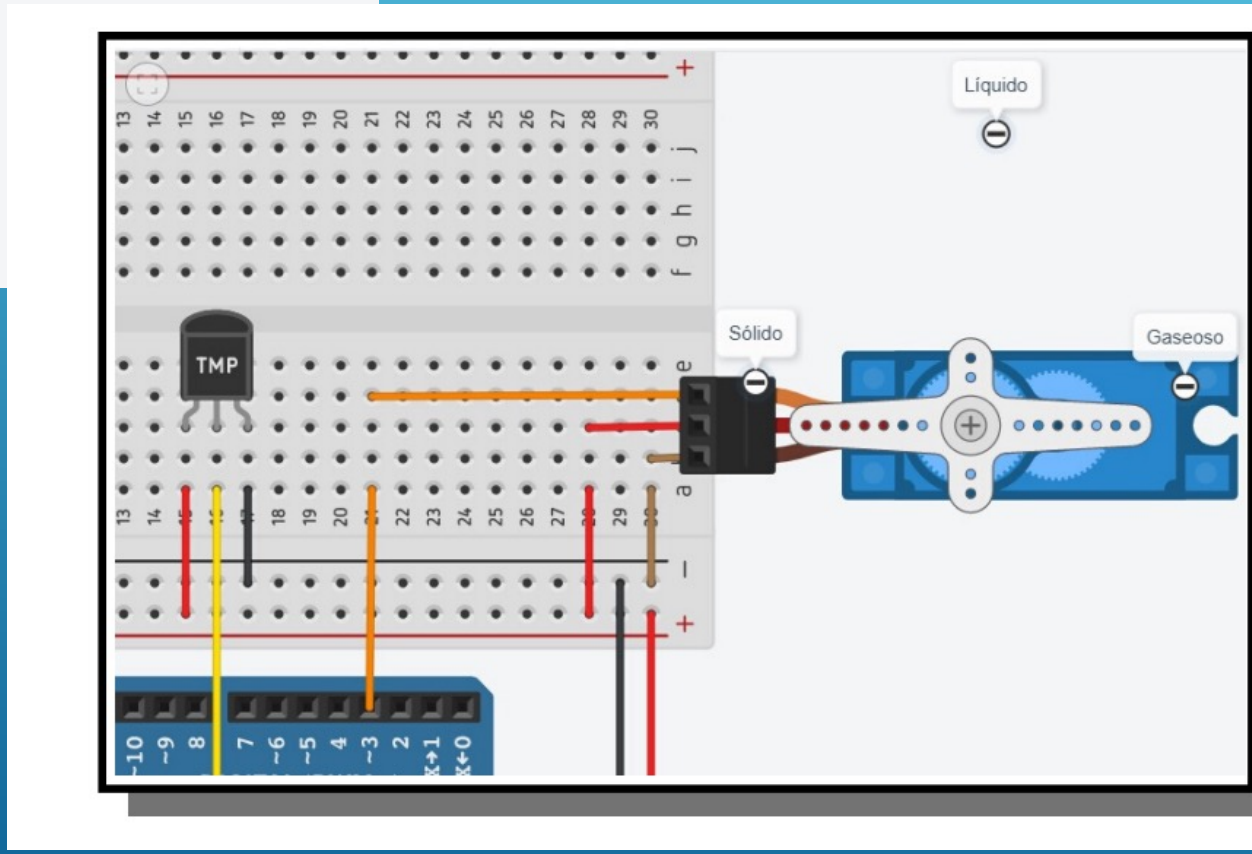
- Intruder alarm

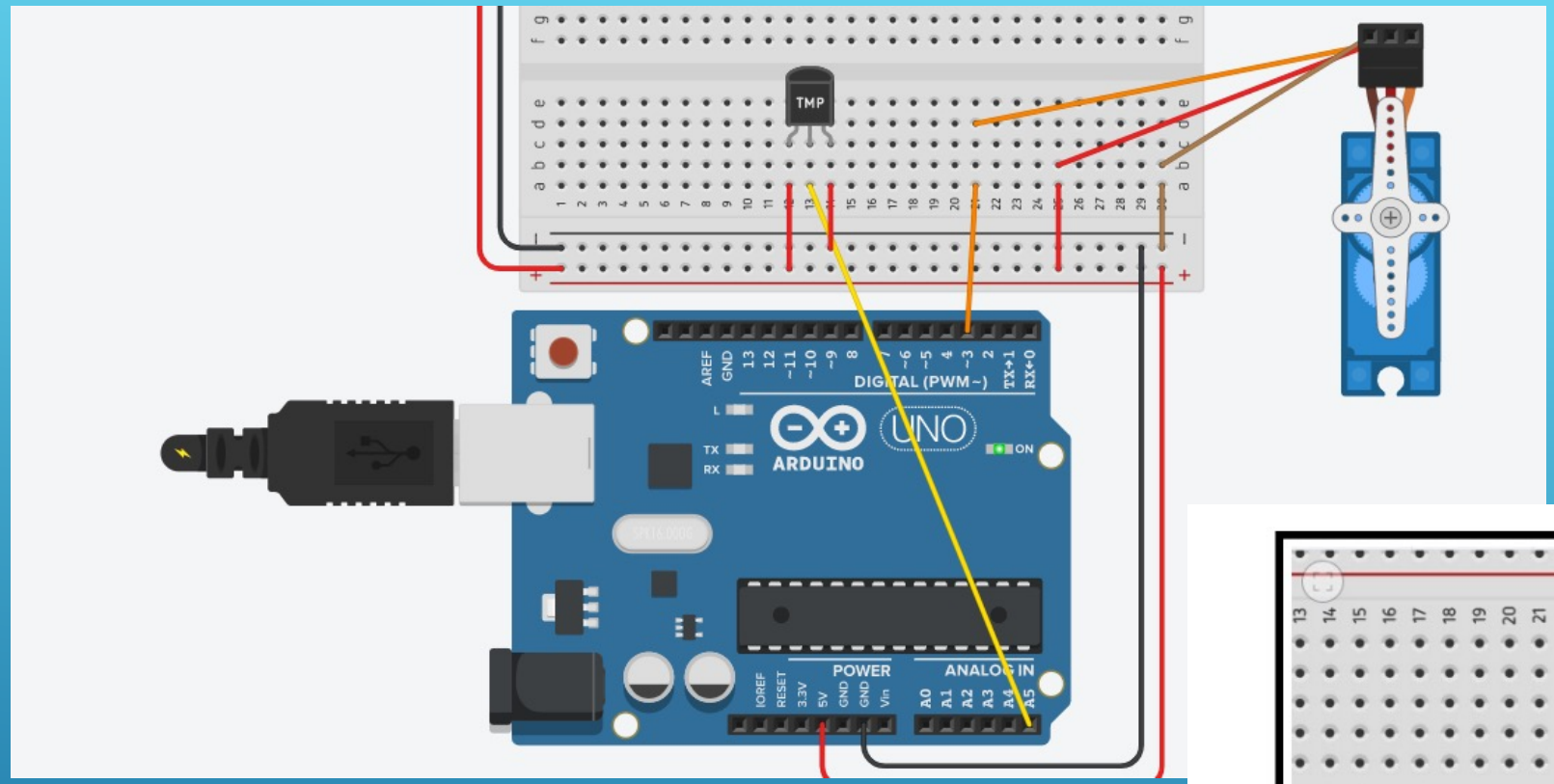


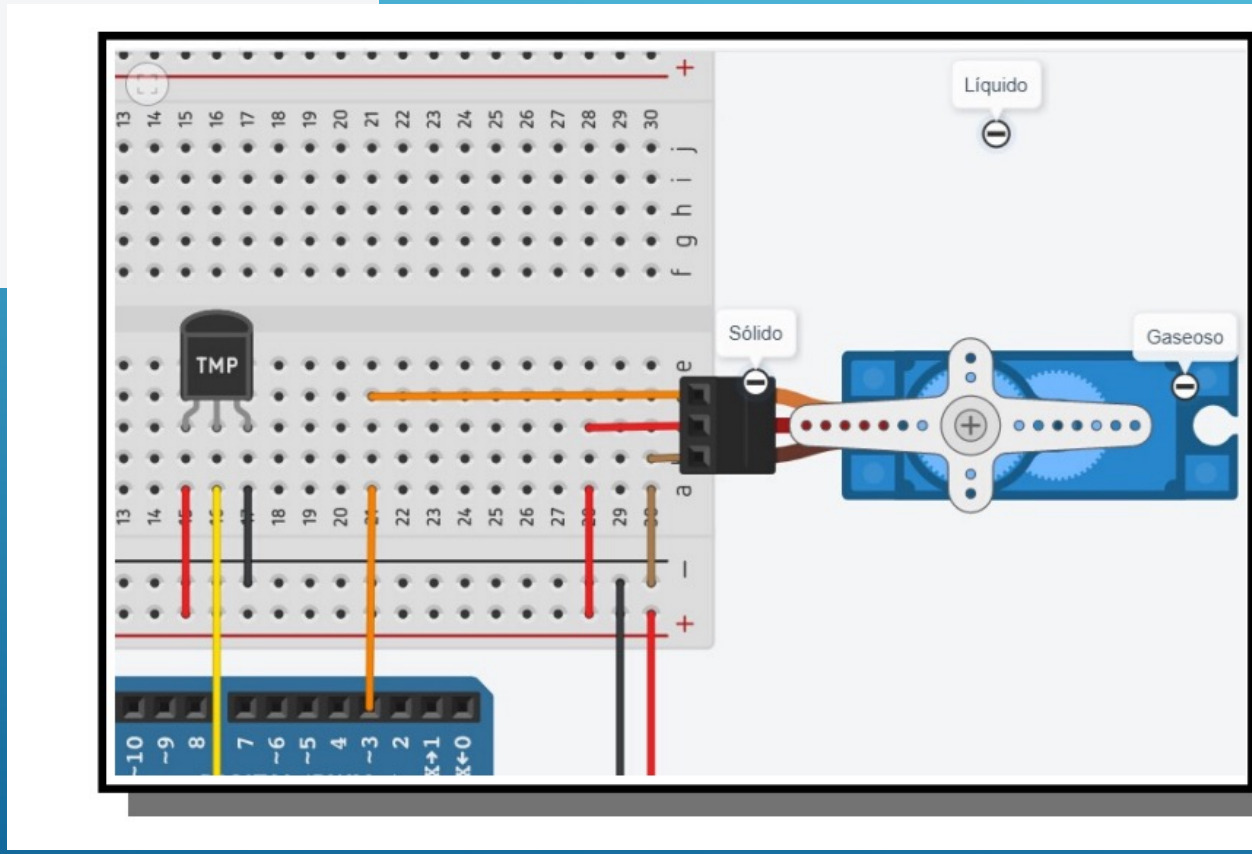
- 0 to 100 centigrade

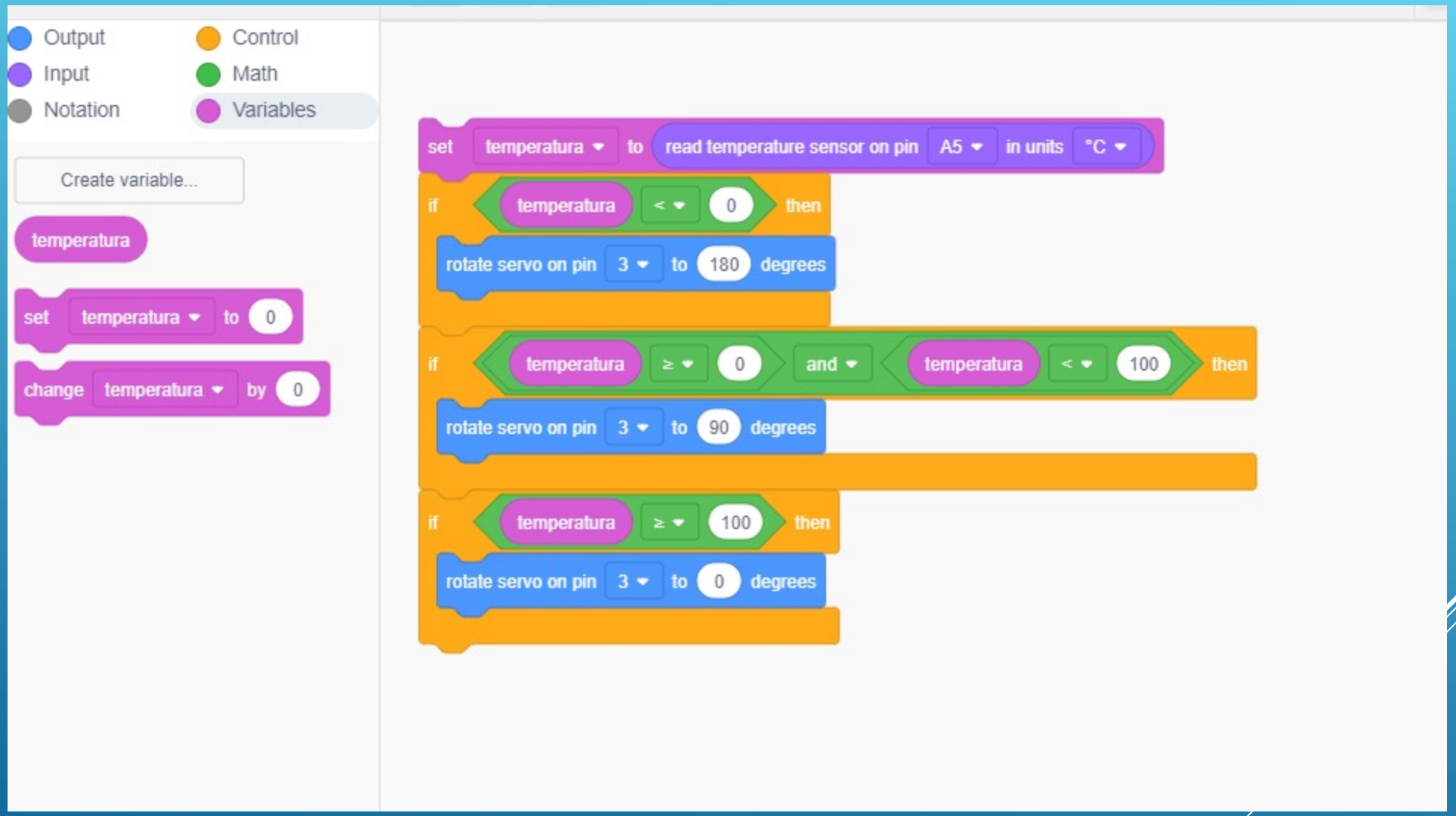



TMP
DIGITAL (PWM~)
ARDUINO
UNO
ON
TX
RX
POWER
ANALOG IN

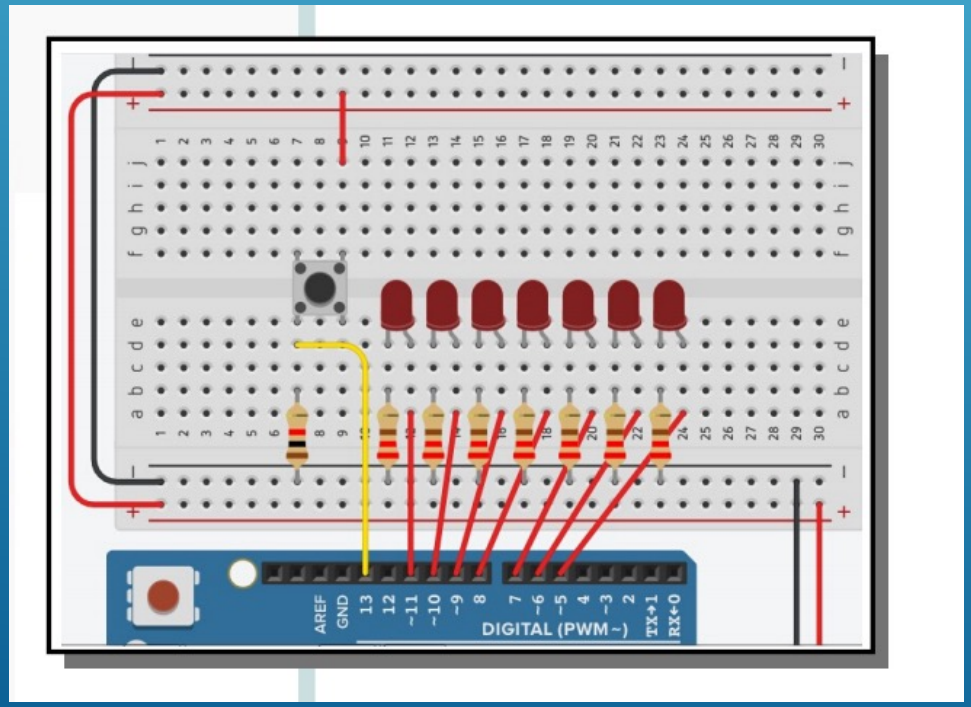

Líquido
Sólido
Gaseoso
TMP

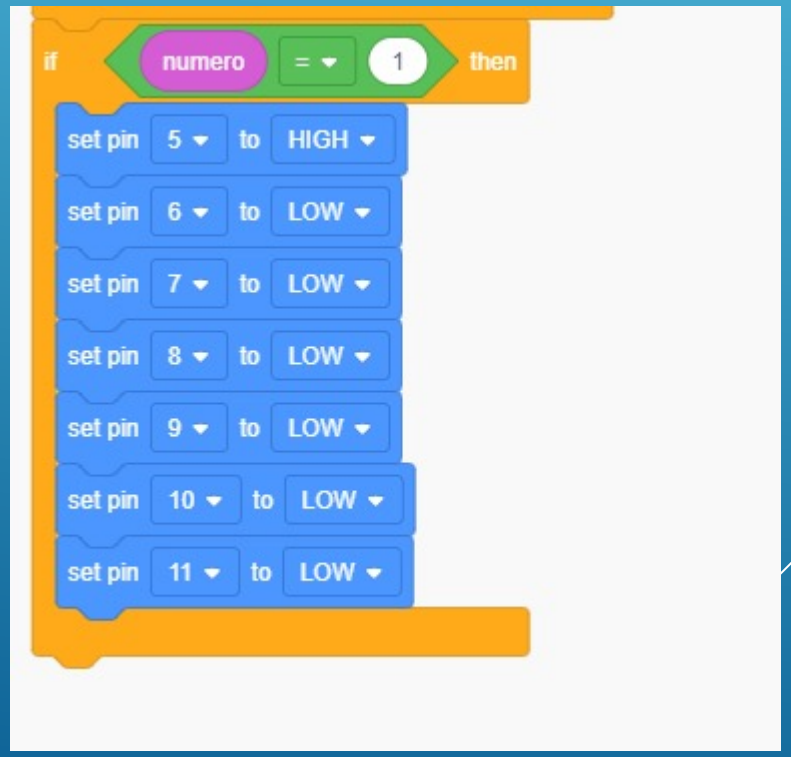

TMP
DIGITAL (PWM~)
ARDUINO
UNO
ON
TX
RX
POWER
ANALOG IN


Líquido
Sólido
Gaseoso
TMP

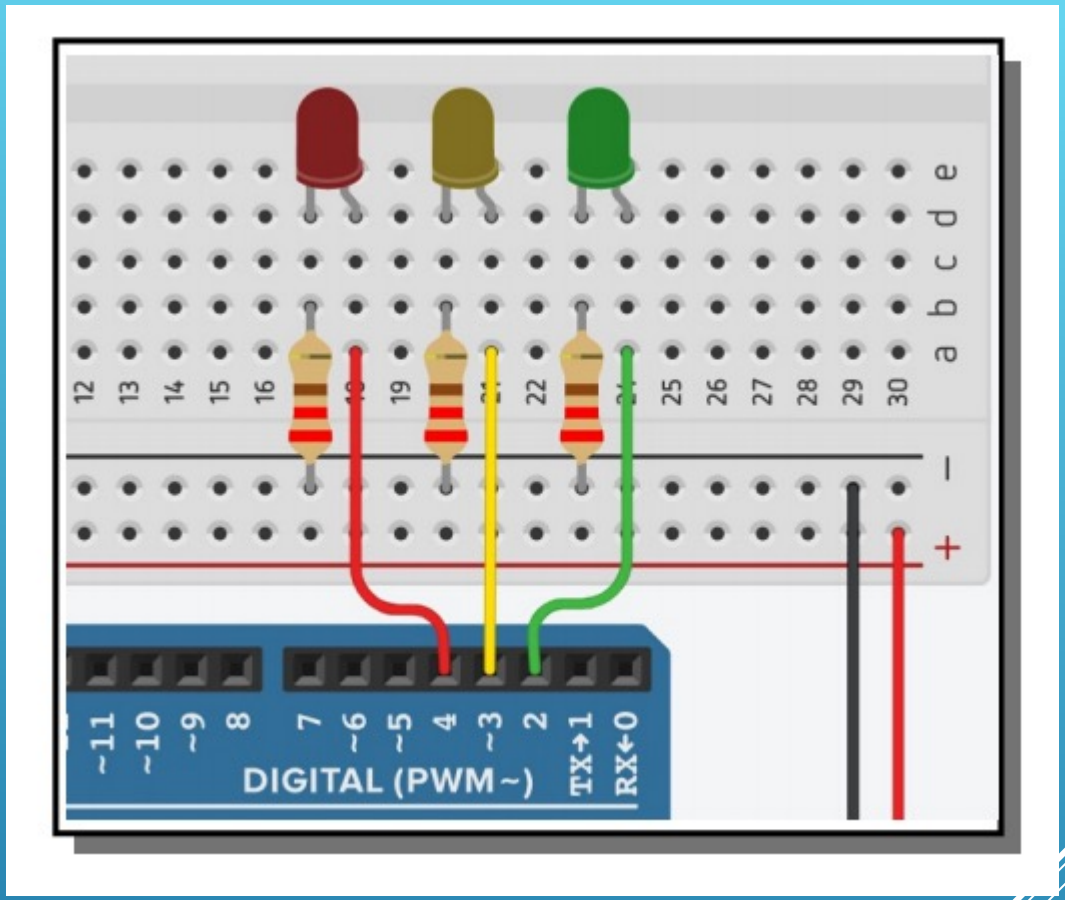

Output
Input
Notation
Control
Math
Variables
Create variable...
temperatura
set temperatura to 0
change temperatura by 0
set temperatura to read temperature sensor on pin A5 in units °C
if temperatura < 0 then
rotate servo on pin 3 to 180 degrees
if temperatura ≥ 0 and temperatura < 100 then
rotate servo on pin 3 to 90 degrees
if temperatura ≥ 100 then
rotate servo on pin 3 to 0 degrees

- Roulette Game





- Traffic light for intersections



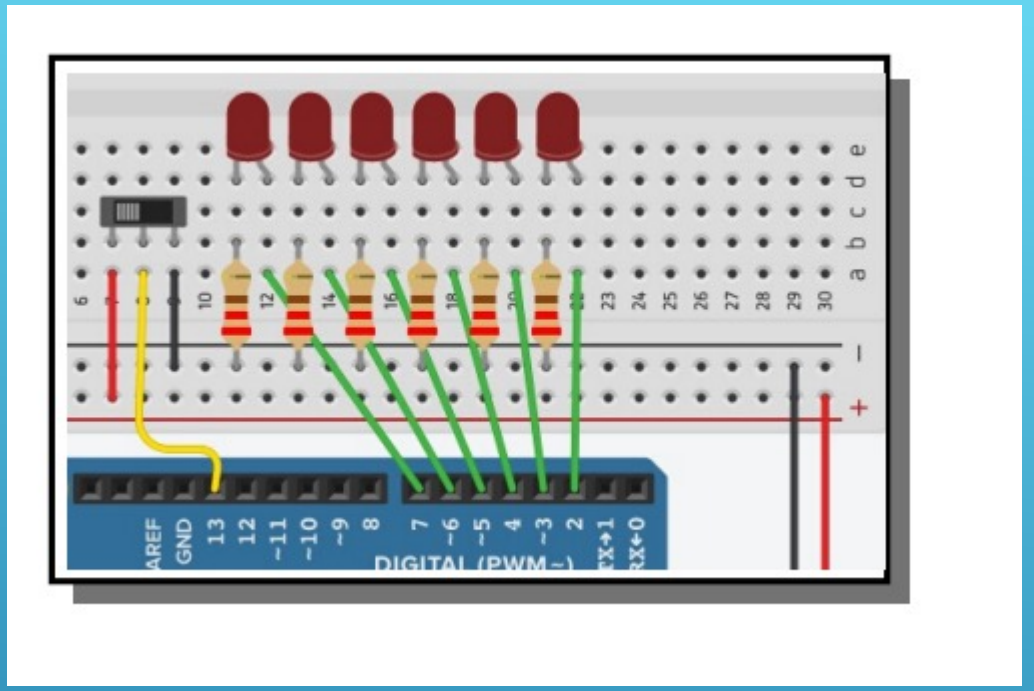
comentario Semaforo 1 en Verde , Semaforo 2 en Rojo
comentario Semaforo 1
definir pasador 2 en ALTA
definir pasador 3 en BAJA
definir pasador 4 en BAJA
comentario Semaforo 2
definir pasador 9 en BAJA
definir pasador 10 en BAJA
definir pasador 11 en ALTA
esperar 3 segundos
1°

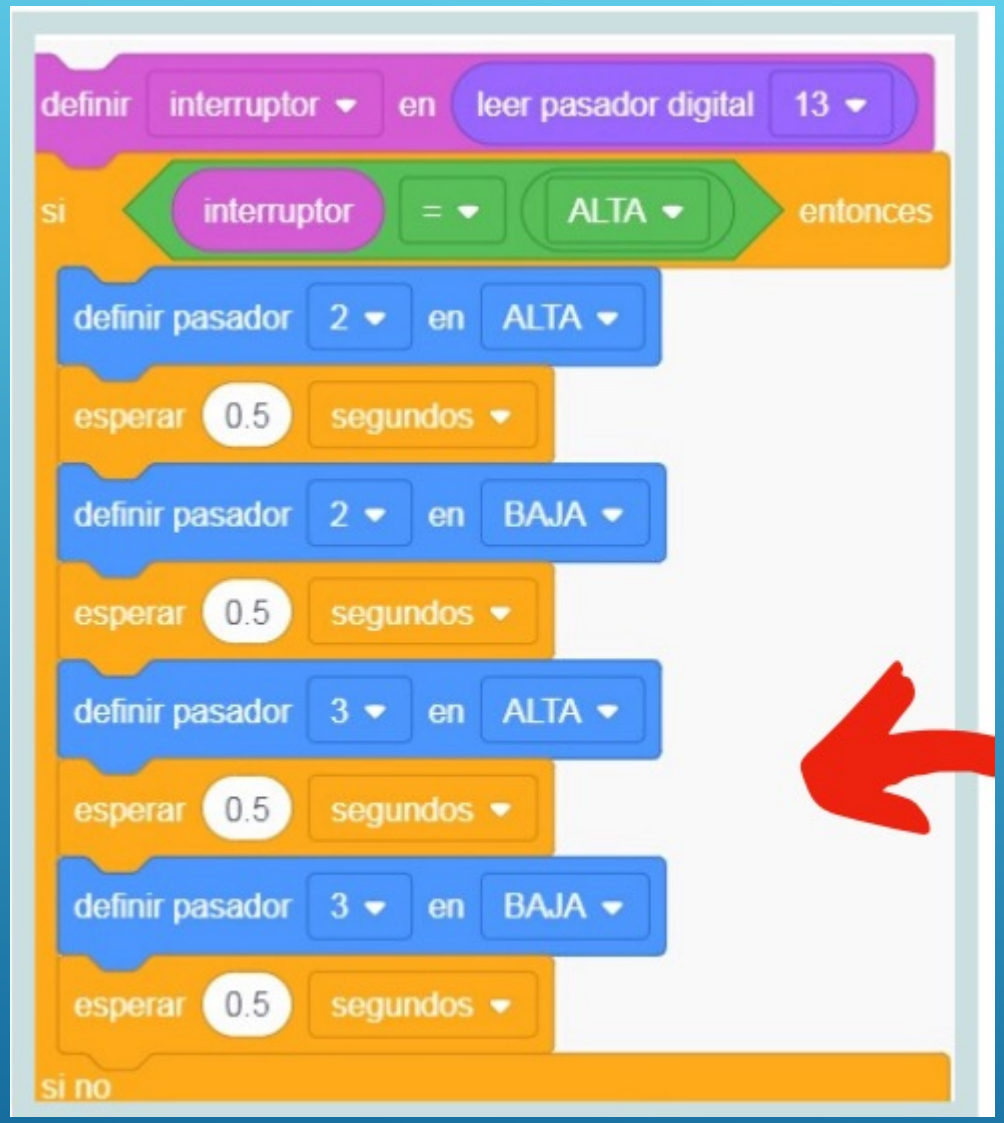
comentario Semaforo 1 en Amarillo , Semaforo 2 en Rojo
comentario Semaforo 1
definir pasador 2 en BAJA
definir pasador 3 en ALTA
definir pasador 4 en BAJA
comentario Semaforo 2
definir pasador 9 en BAJA
definir pasador 10 en BAJA
definir pasador 11 en ALTA
esperar 1 segundos
2°

comentario Semaforo 1 en Rojo, Semaforo 2 en Verde
comentario Semaforo 1
definir pasador 2 en BAJA
definir pasador 3 en BAJA
definir pasador 4 en ALTA
comentario Semaforo 2
definir pasador 9 en ALTA
definir pasador 10 en BAJA
definir pasador 11 en BAJA
esperar 3 segundos
3°

comentario Semaforo 1 en Rojo, Semaforo 2 en Amarillo
comentario Semaforo 1
definir pasador 2 en BAJA
definir pasador 3 en BAJA
definir pasador 4 en ALTA
comentario Semaforo 2
definir pasador 9 en BAJA
definir pasador 10 en ALTA
definir pasador 11 en BAJA
esperar 1 segundos
4°

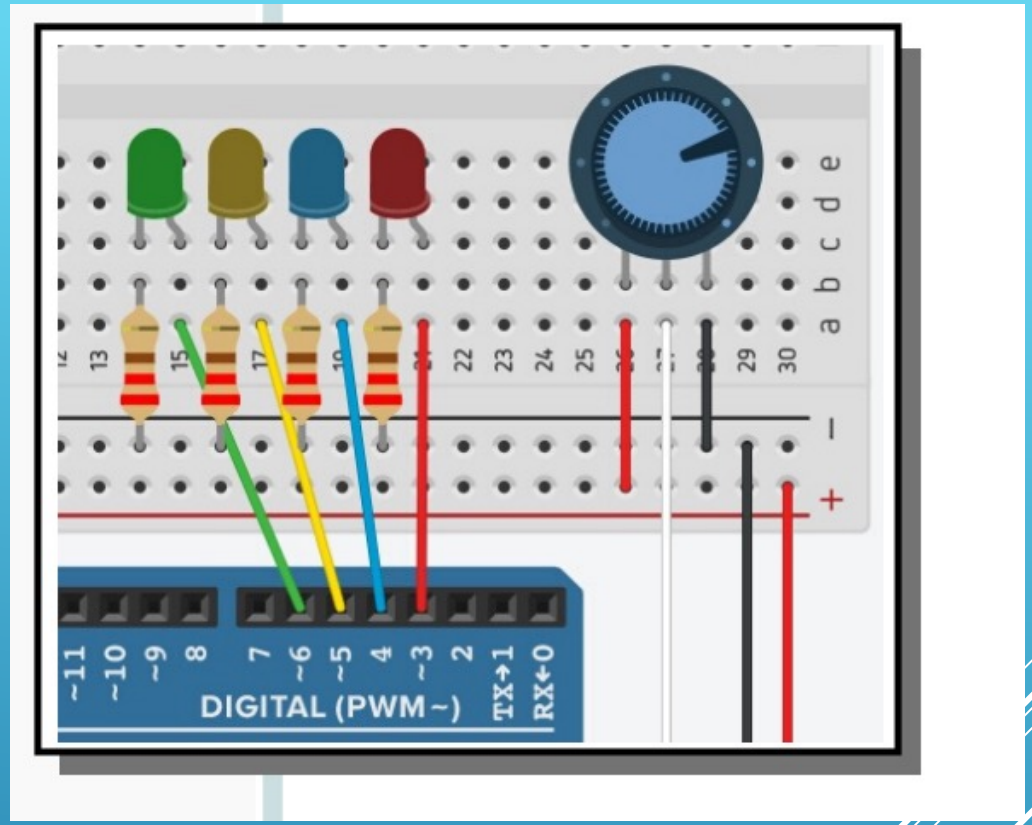
- Sequence Selection



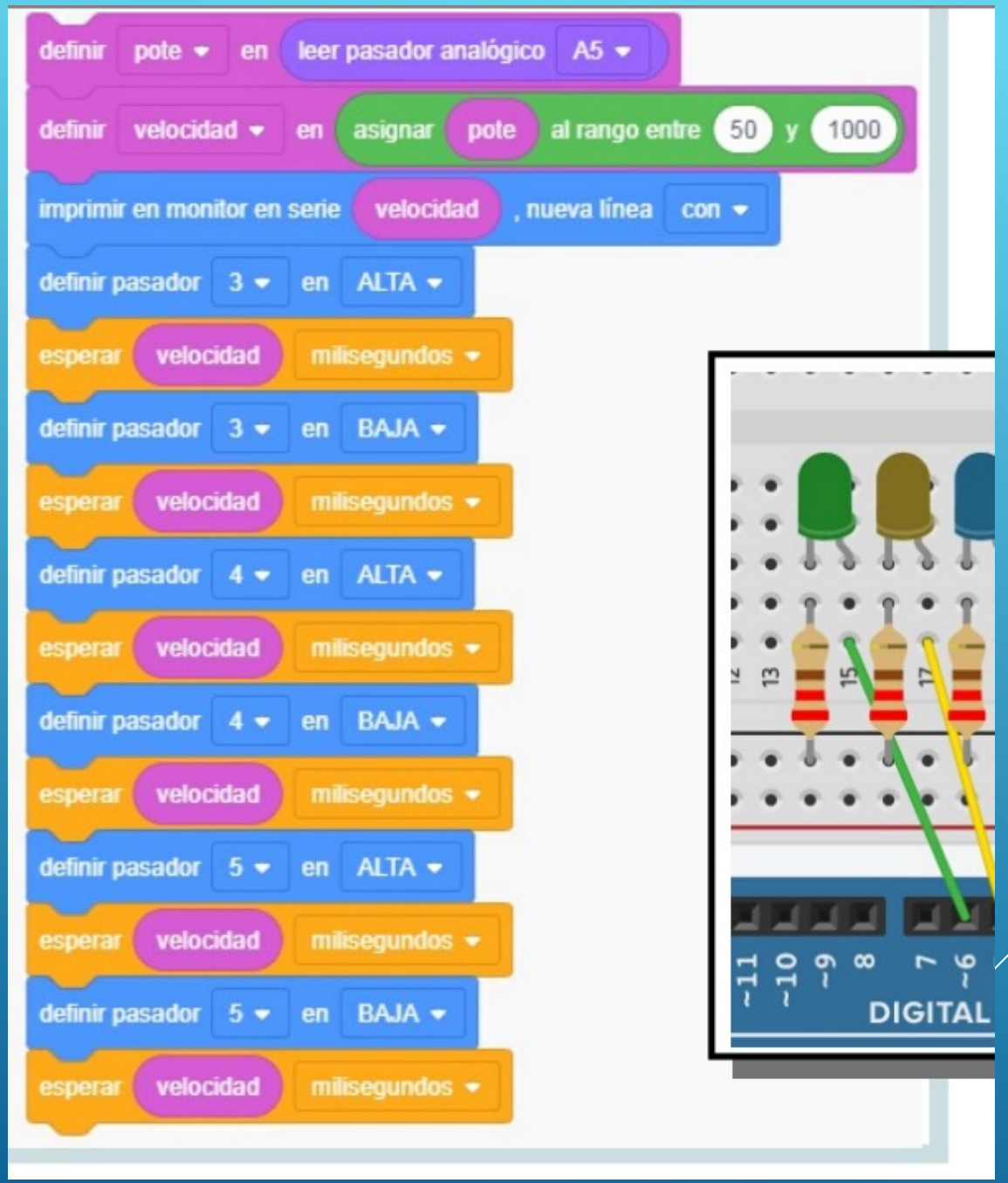

definir interruptor en leer pasador digital 13
si interruptor = ALTA entonces
definir pasador 2 en ALTA
esperar 0.5 segundos
definir pasador 2 en BAJA
esperar 0.5 segundos
definir pasador 3 en ALTA
esperar 0.5 segundos
definir pasador 3 en BAJA
esperar 0.5 segundos
si no

si no
definir pasador 3 en ALTA
esperar 0.5 segundos
definir pasador 3 en BAJA
esperar 0.5 segundos
definir pasador 2 en ALTA
esperar 0.5 segundos
definir pasador 2 en BAJA
esperar 0.5 segundos

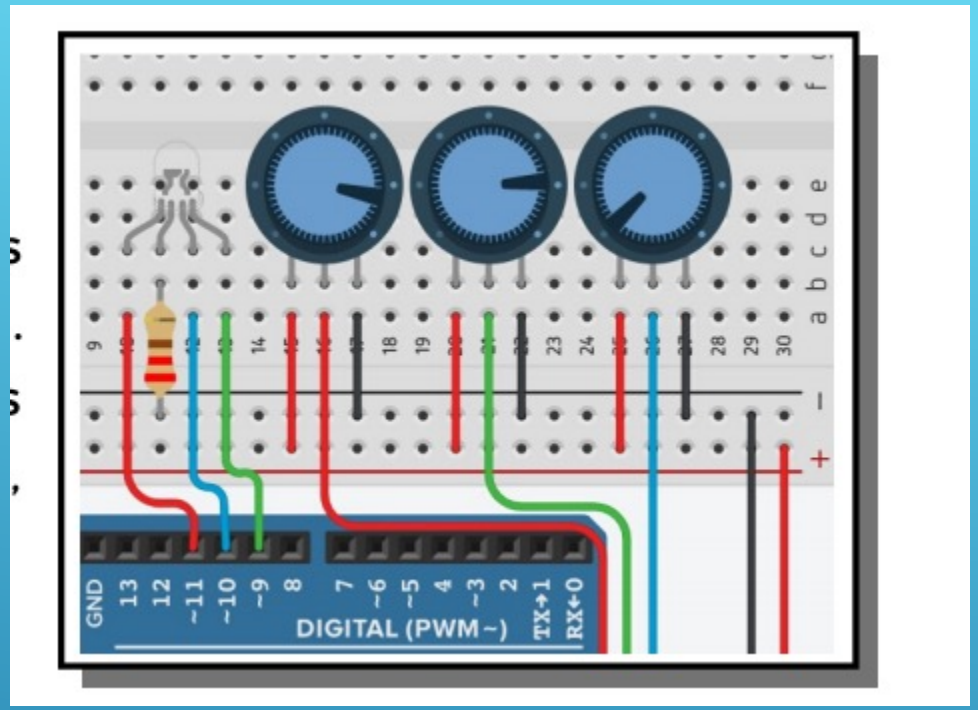
- Speed variation
- The white cable goes to A5



- Speed variation



- Mix RGB

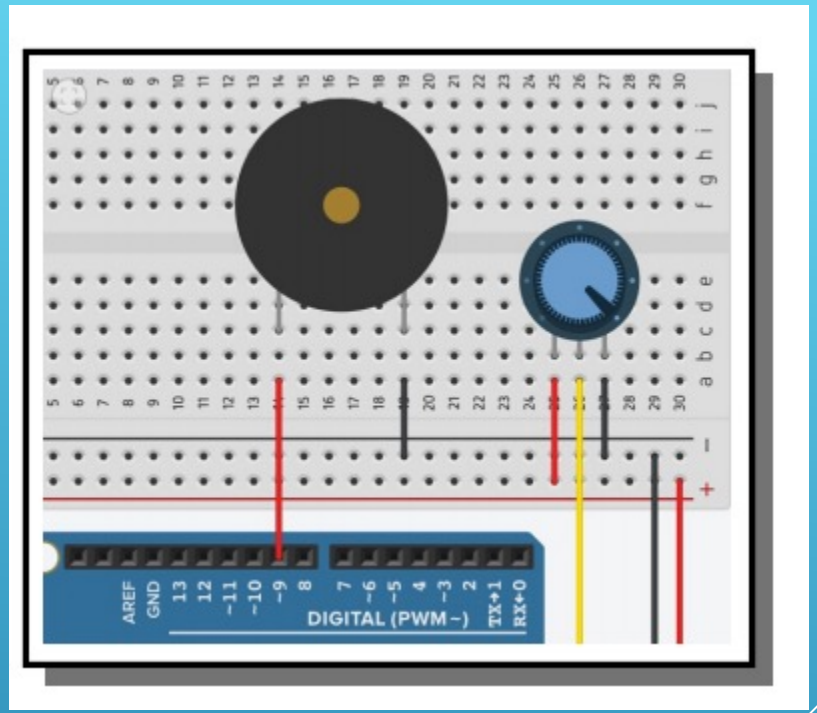


CONNECT THE CABLES IN THE MIDDLE TO A0,A1 AND A2

- Mix RGB

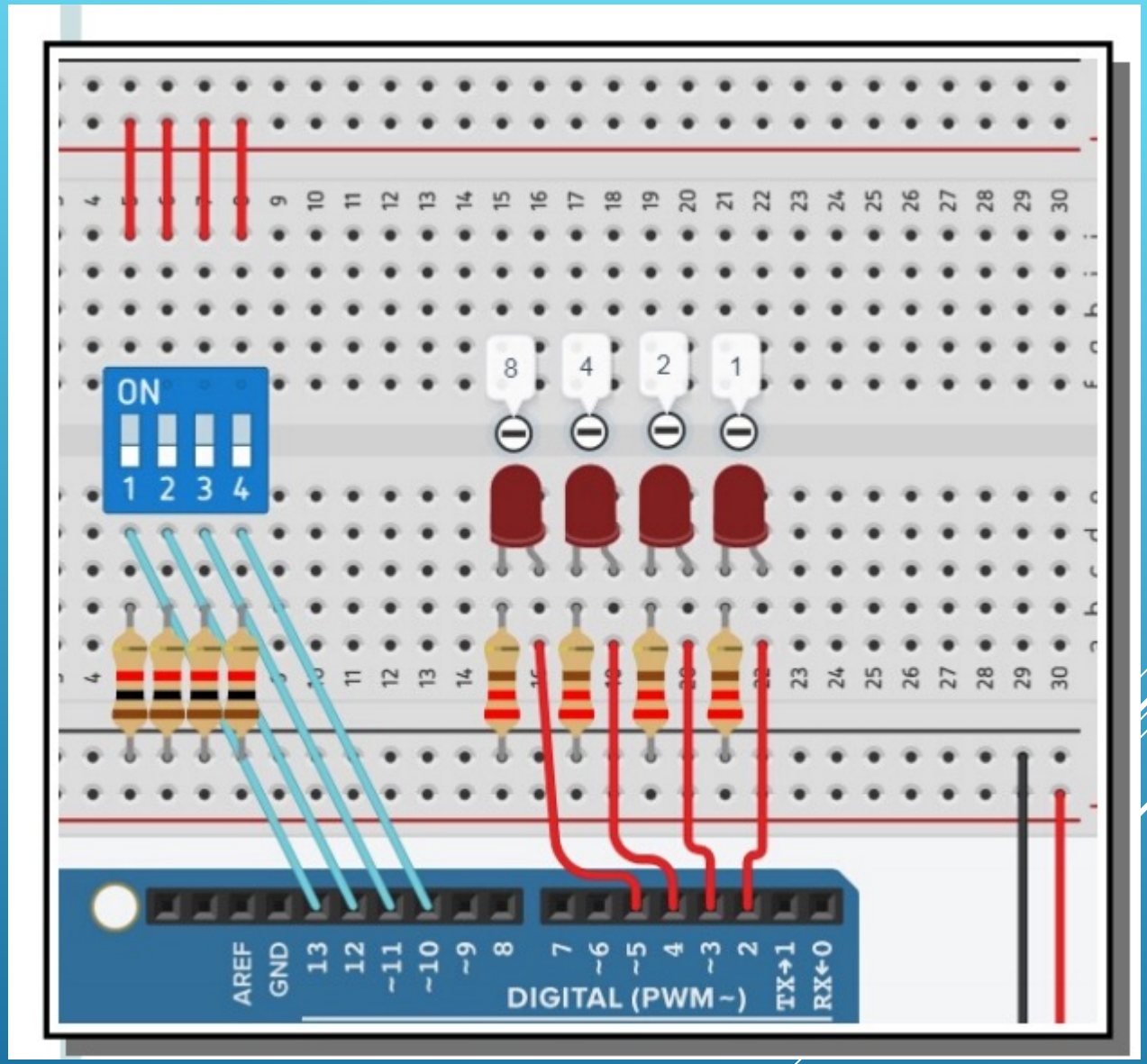
definir rojo en restringir leer pasador analógico A0 al rango entre 0 y 255
definir verde en restringir leer pasador analógico A1 al rango entre 0 y 255
definir azul en restringir leer pasador analógico A2 al rango entre 0 y 255
definir pasador 11 en rojo
definir pasador 9 en verde
definir pasador 10 en azul

- Mix Music

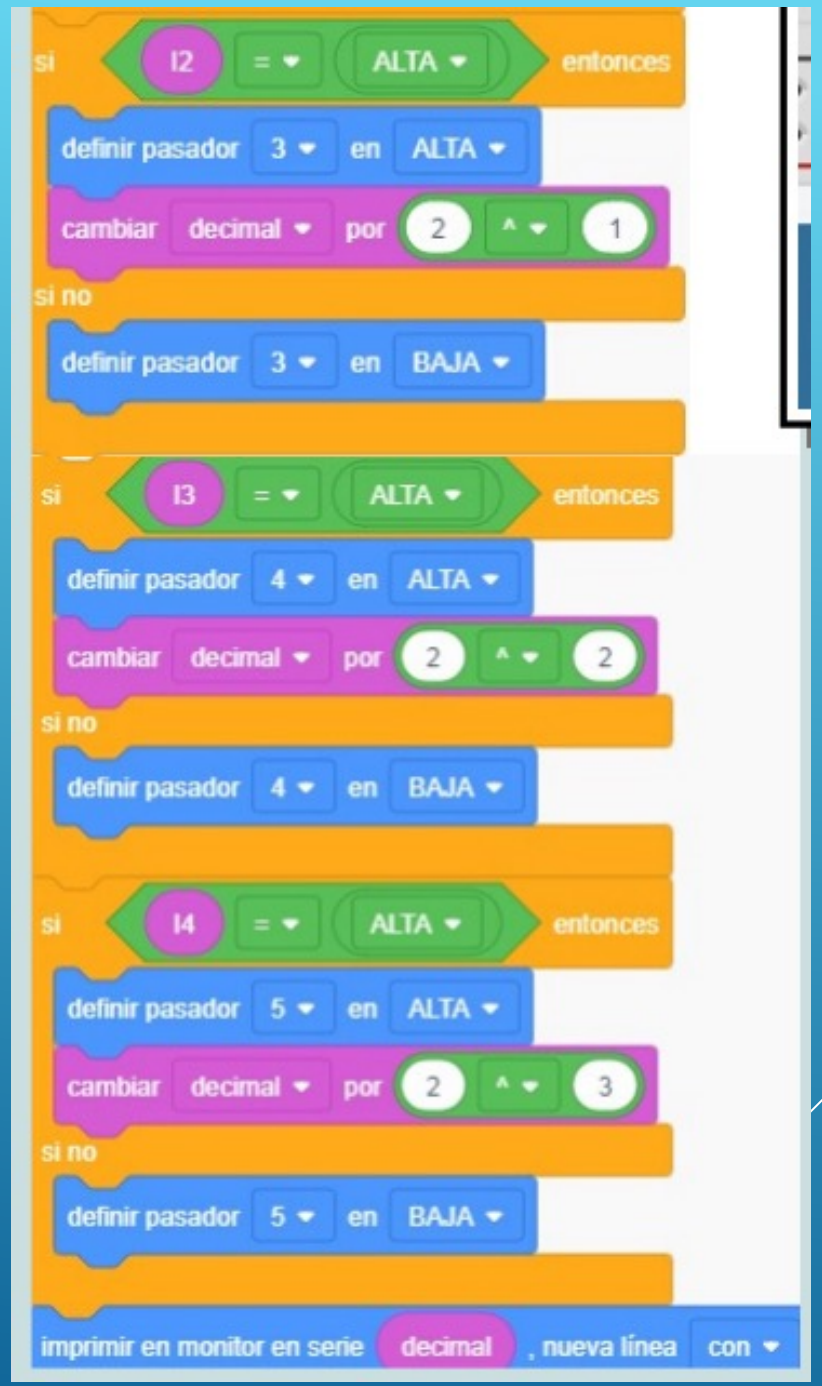

AREF
GND
13
12
~11
~10
~9
8
7
~6
~5
4
~3
2
TX→1
RX←0
DIGITAL (PWM~)

definir pote en leer pasador analógico A5
definir nota en asignar pote al rango entre 50 y 64
reproducir altavoz en el pasador 9 con tono nota durante 1 s

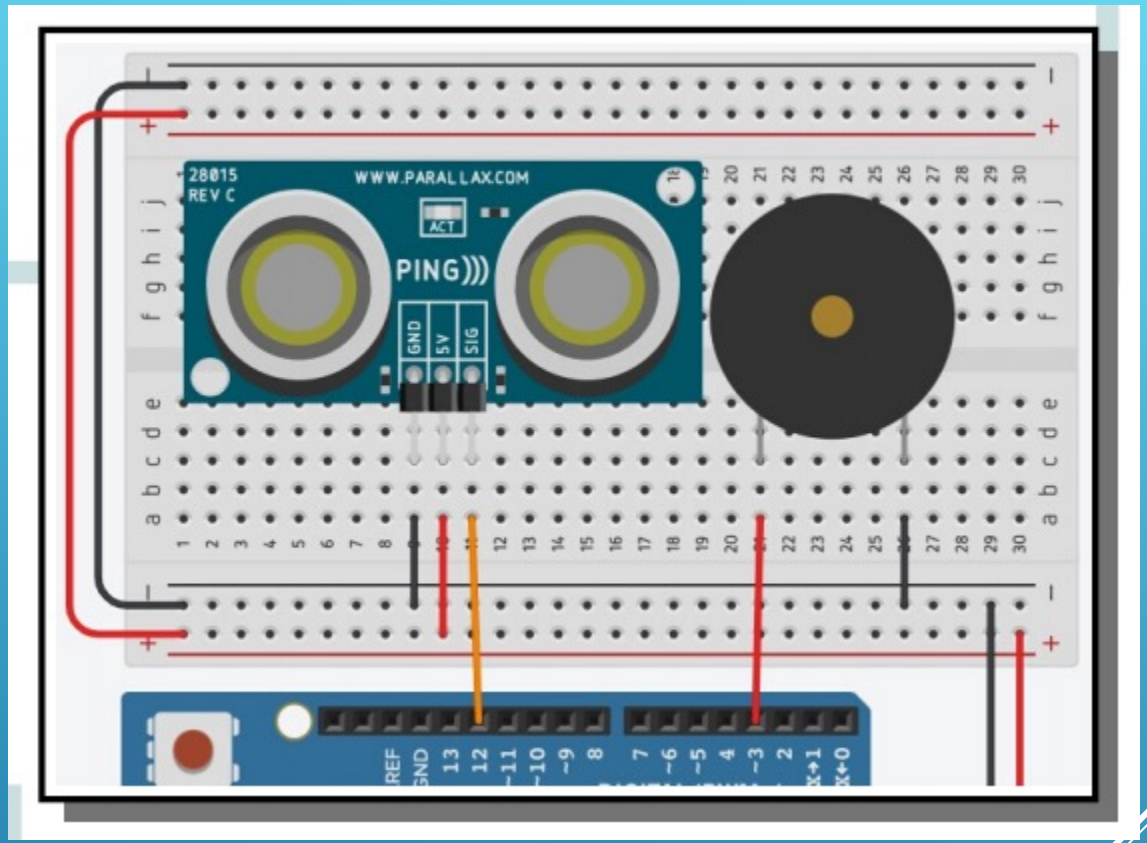
- Binary – Decimal Convertor



definir I1 en leer pasador digital 13
definir I2 en leer pasador digital 12
definir I3 en leer pasador digital 11
definir I4 en leer pasador digital 10
definir decimal en 0
si I1 = ALTA entonces
definir pasador 2 en ALTA
cambiar decimal por 2 ^ 0
si no
definir pasador 2 en BAJA


si I2 = ALTA entonces
definir pasador 3 en ALTA
cambiar decimal por 2 ^ 1
si no
definir pasador 3 en BAJA
si I3 = ALTA entonces
definir pasador 4 en ALTA
cambiar decimal por 2 ^ 2
si no
definir pasador 4 en BAJA
si I4 = ALTA entonces
definir pasador 5 en ALTA
cambiar decimal por 2 ^ 3
si no
definir pasador 5 en BAJA
imprimir en monitor en serie decimal , nueva linea con

- Proximity Alarm



- Proximity Alarm