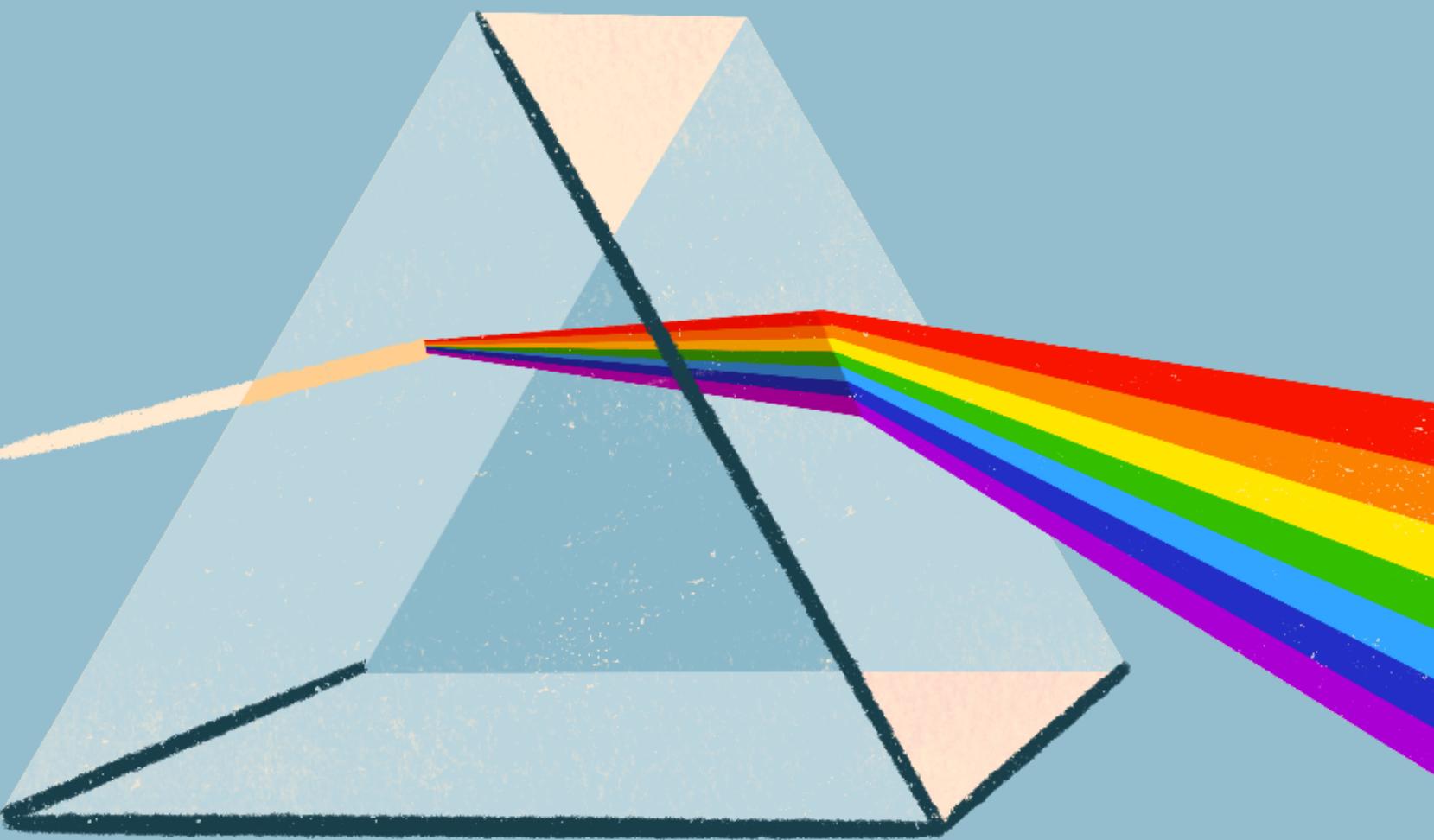


Detector de Ondas Infrarrojas

Marisol Osma Llanes

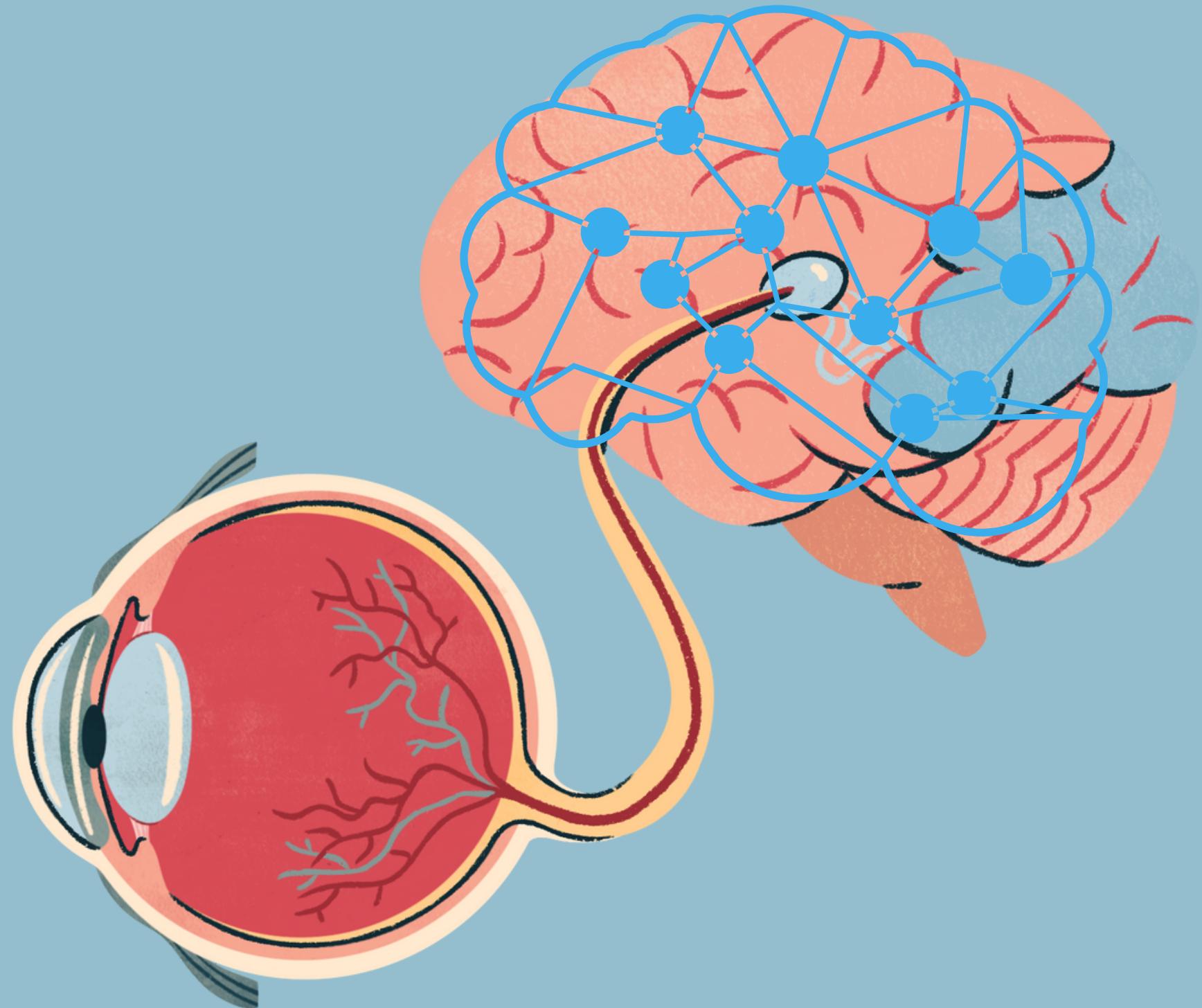
código: 2211466



¿Qué es visible para el ojo humano?

Fotorreceptores (conos, células sensibles a la luz), sensores ubicados en la retina del ojo que se encargan de transformar la luz en señales químicas y transmitirlas al cerebro.

El ojo humano tiene entre 6 y 7 millones de conos.



Interferencias

Los rayos infrarrojos son comunes y la mayoría del tiempo estamos **expuestos** a ellos, solo que en **menores frecuencias**.

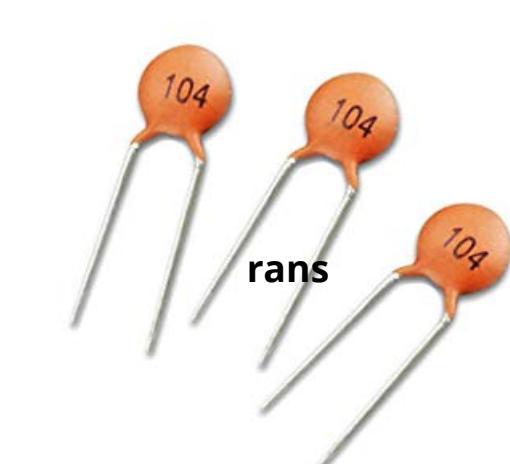
Pero la exposición o la constancia directa con **altas frecuencias** pueden generar **Daños a la salud**.



MATERIALES



Resistencias



Capacitador Lenteja
o
Capacitador Cerámico



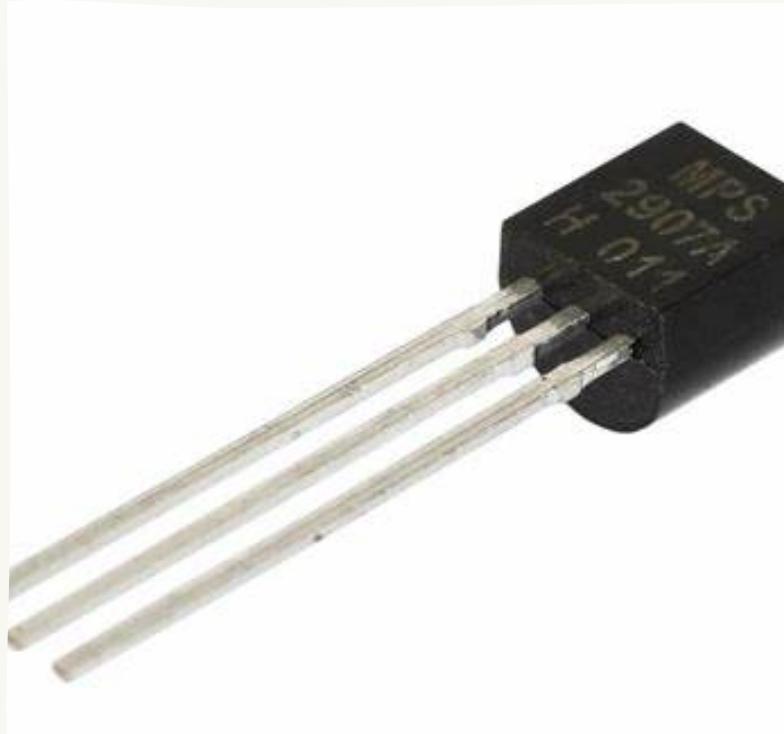
Led

MATERIALES



Buzzer
ALP1205S


Suin Store
www.suinstore.com



Transistores
NPN Y PNP



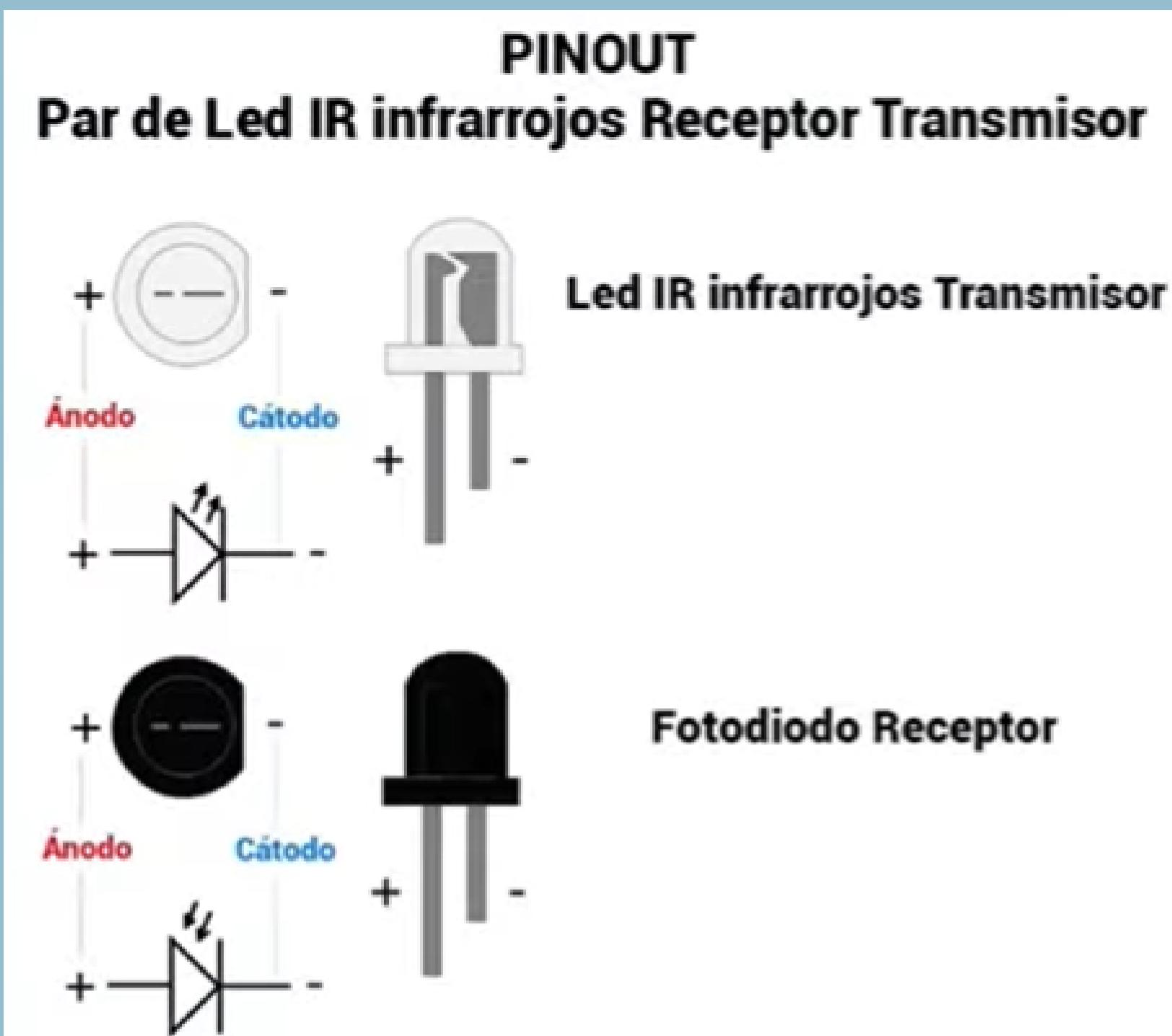
Fotodiodo

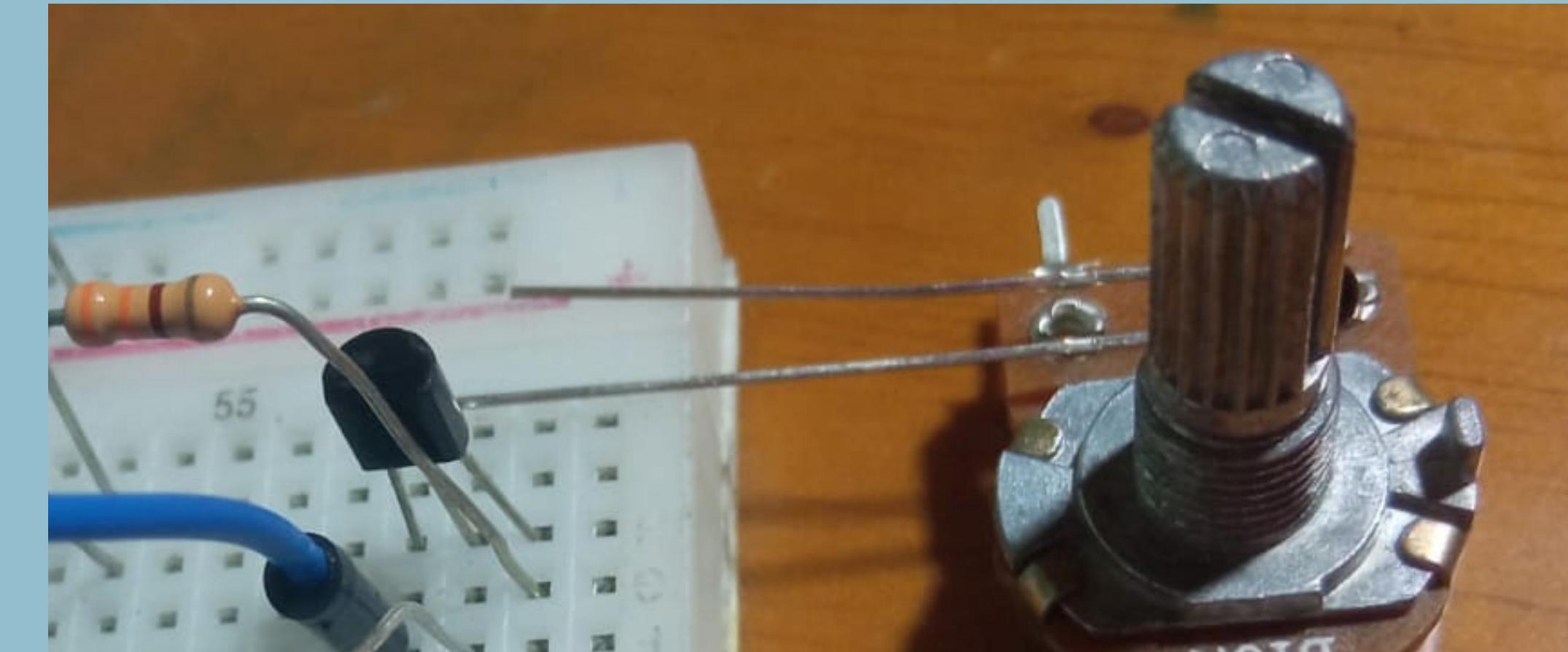
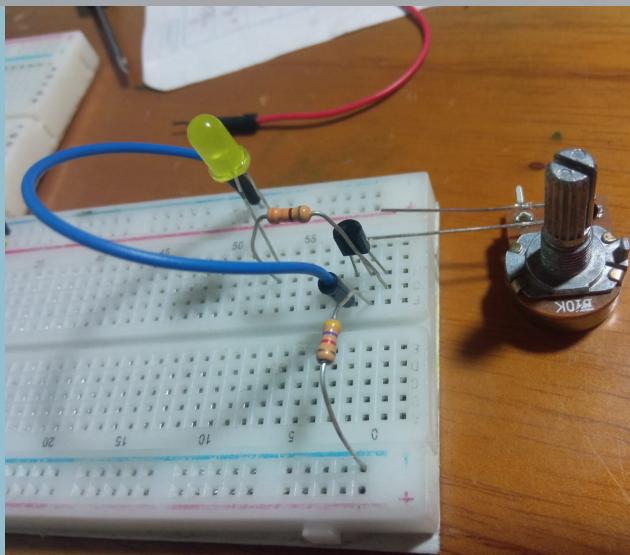
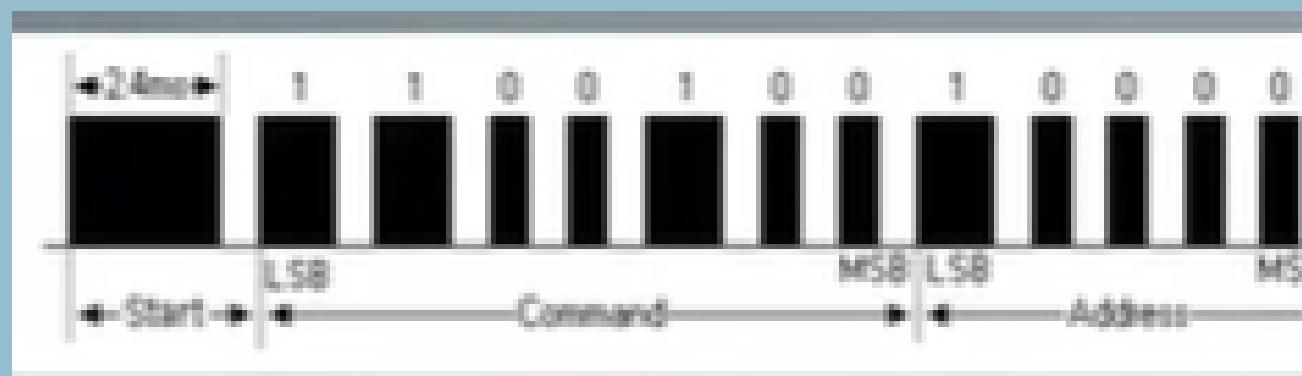
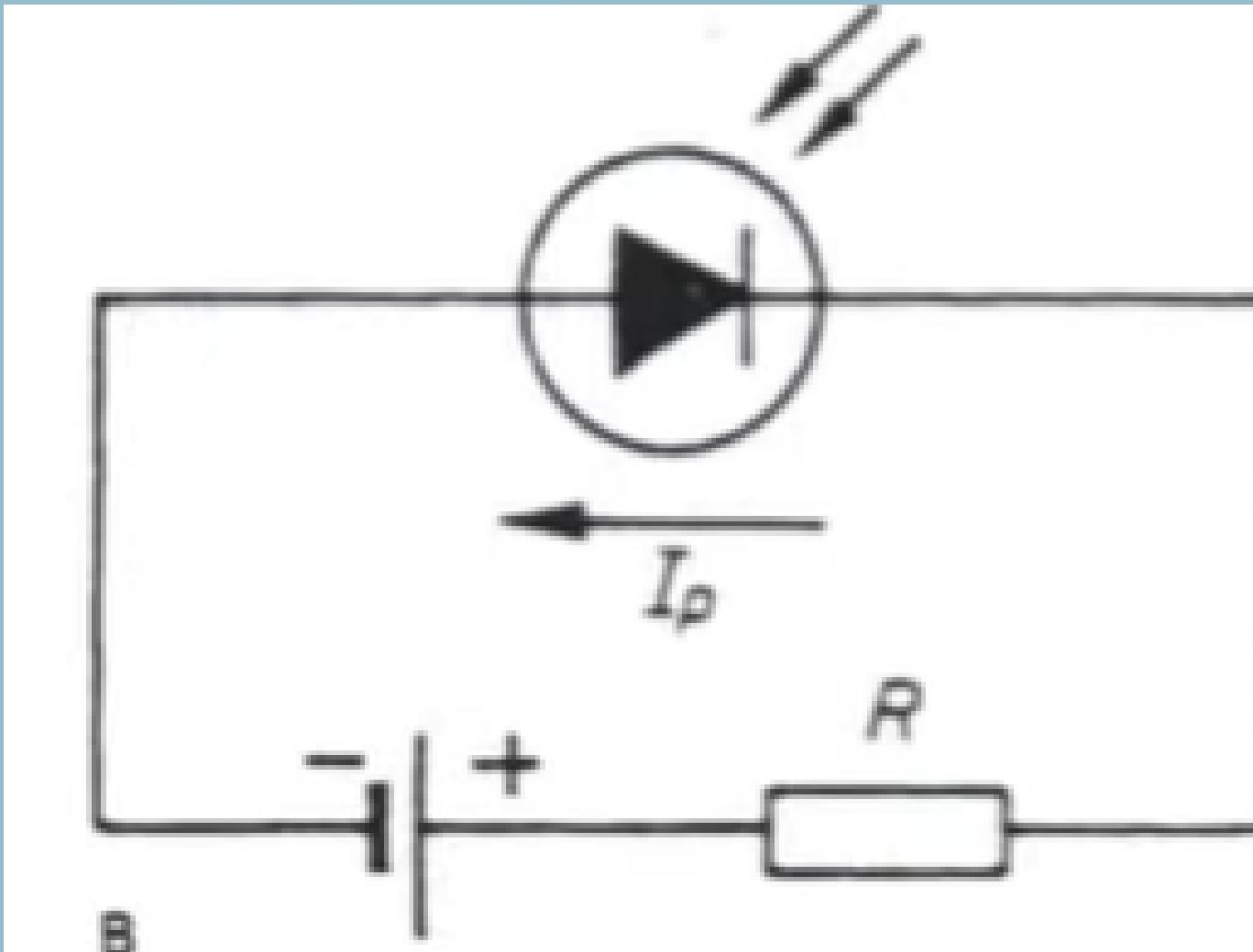


Conexión del fotodiodo

POR: MARISOL OSMA LLANES

Fotodiodo con aspecto Led



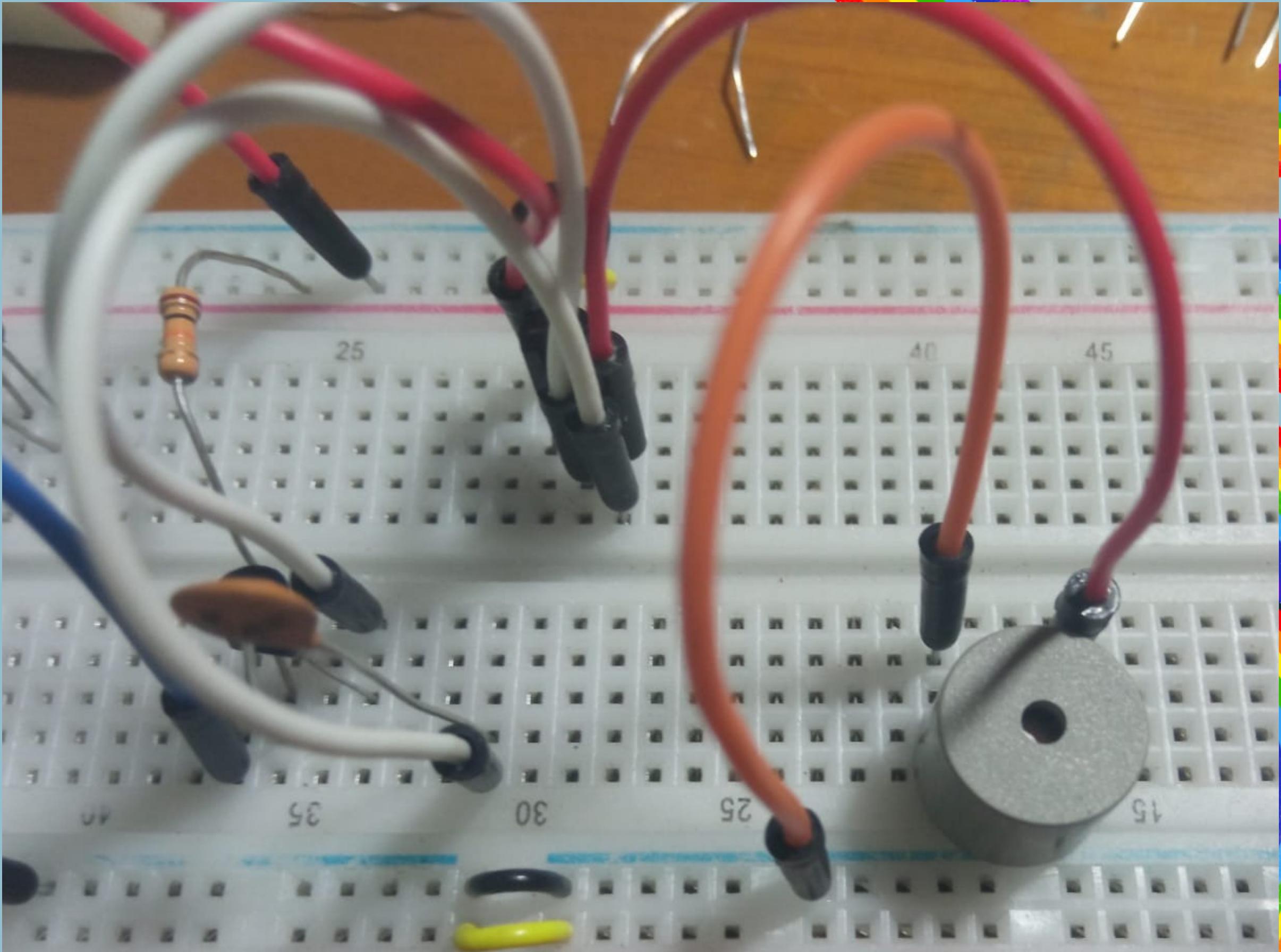


POR: MARISOL OSMA LLANES

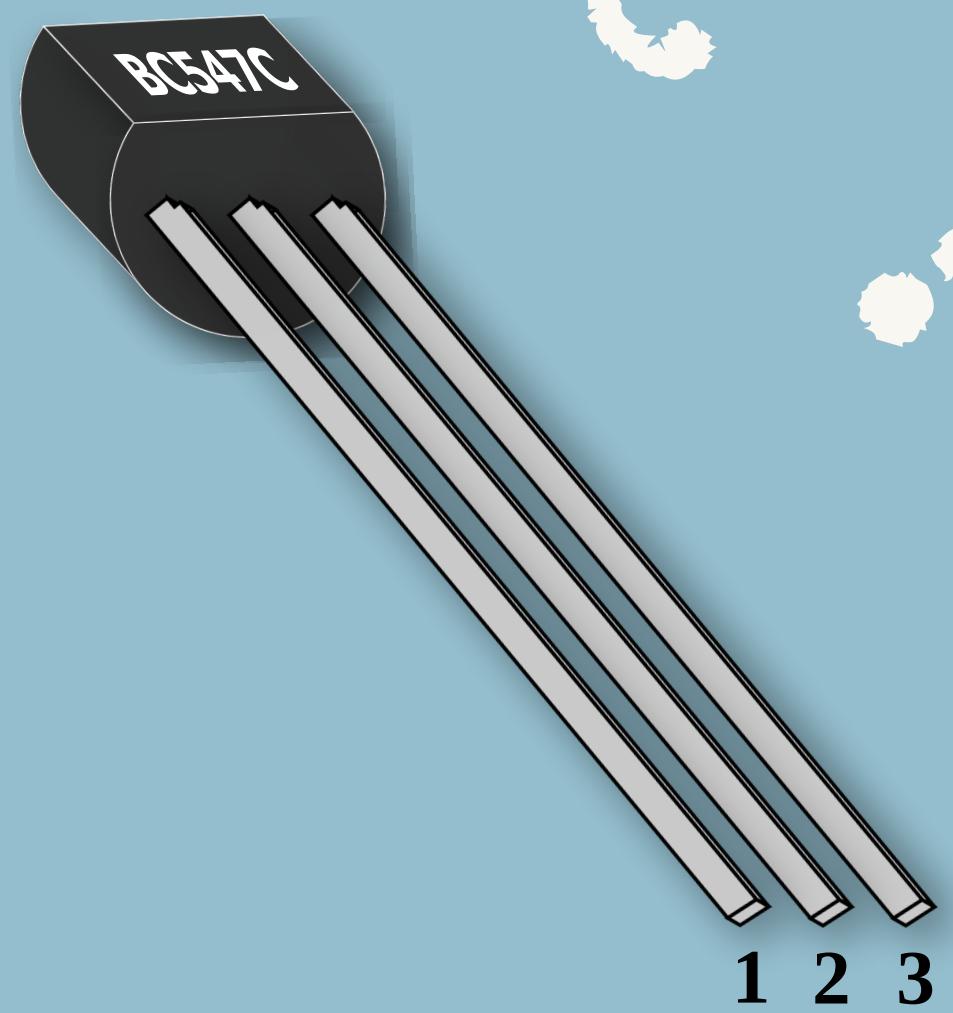


Conexión del Buzzer

POR: MARISOL OSMA LLANES



POR: MARISOL OSMA LLANES



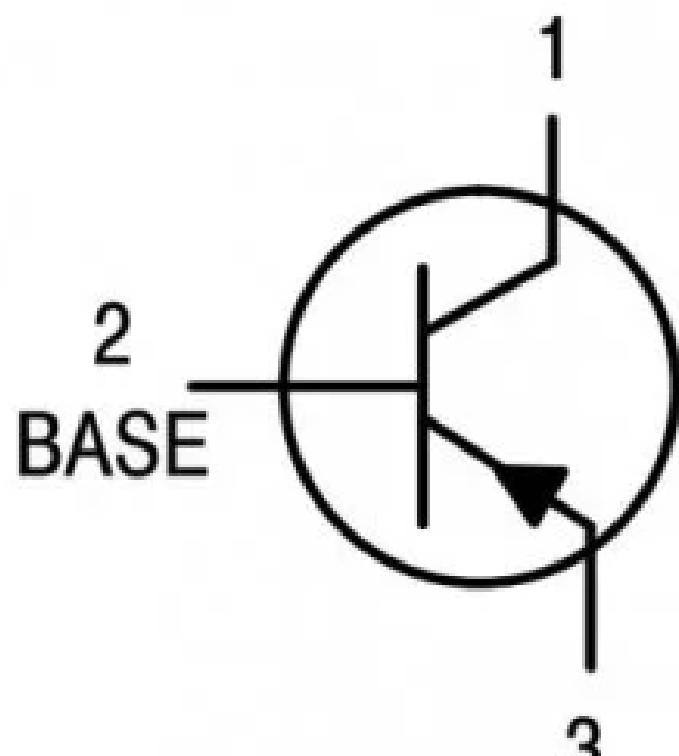
¿CONEXIÓN DE LOS TRANSISTORES

POR: MARISOL OSMA LLANES

PNP (positivo-negativo-positivo)

BC327-40

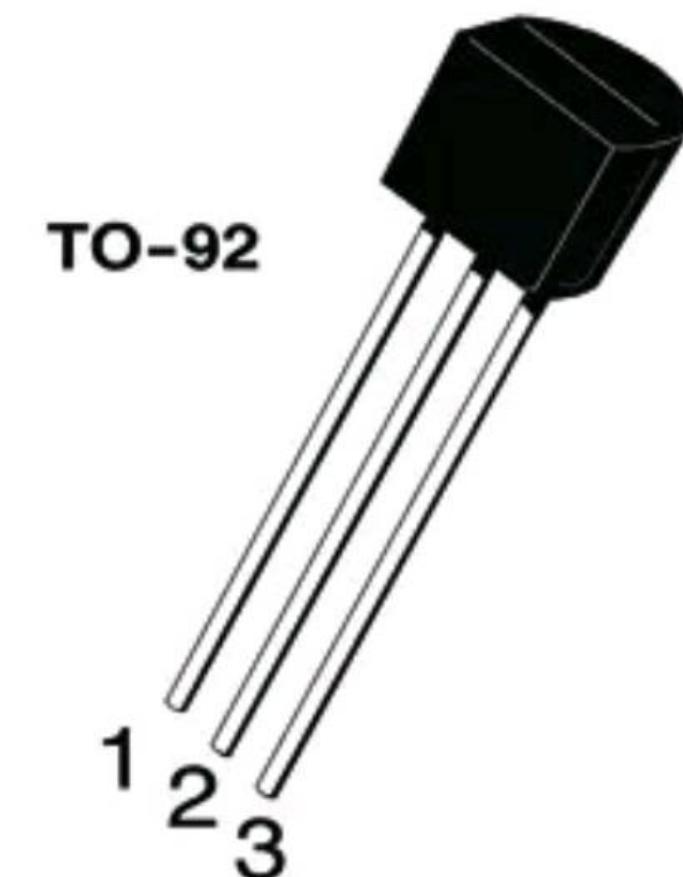
COLLECTOR



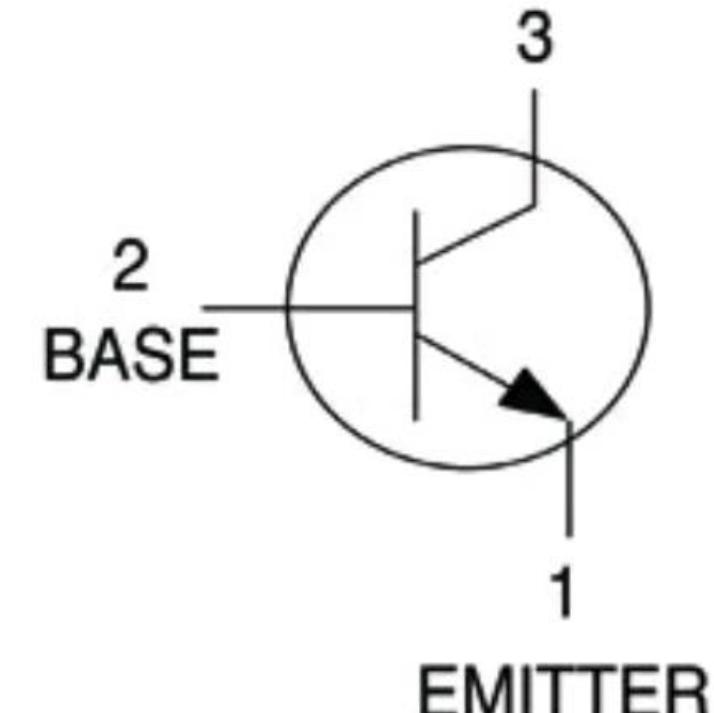
NPN (negativo-positivo-negativo)

2N3904

NPN Silicon Transistor



COLLECTOR



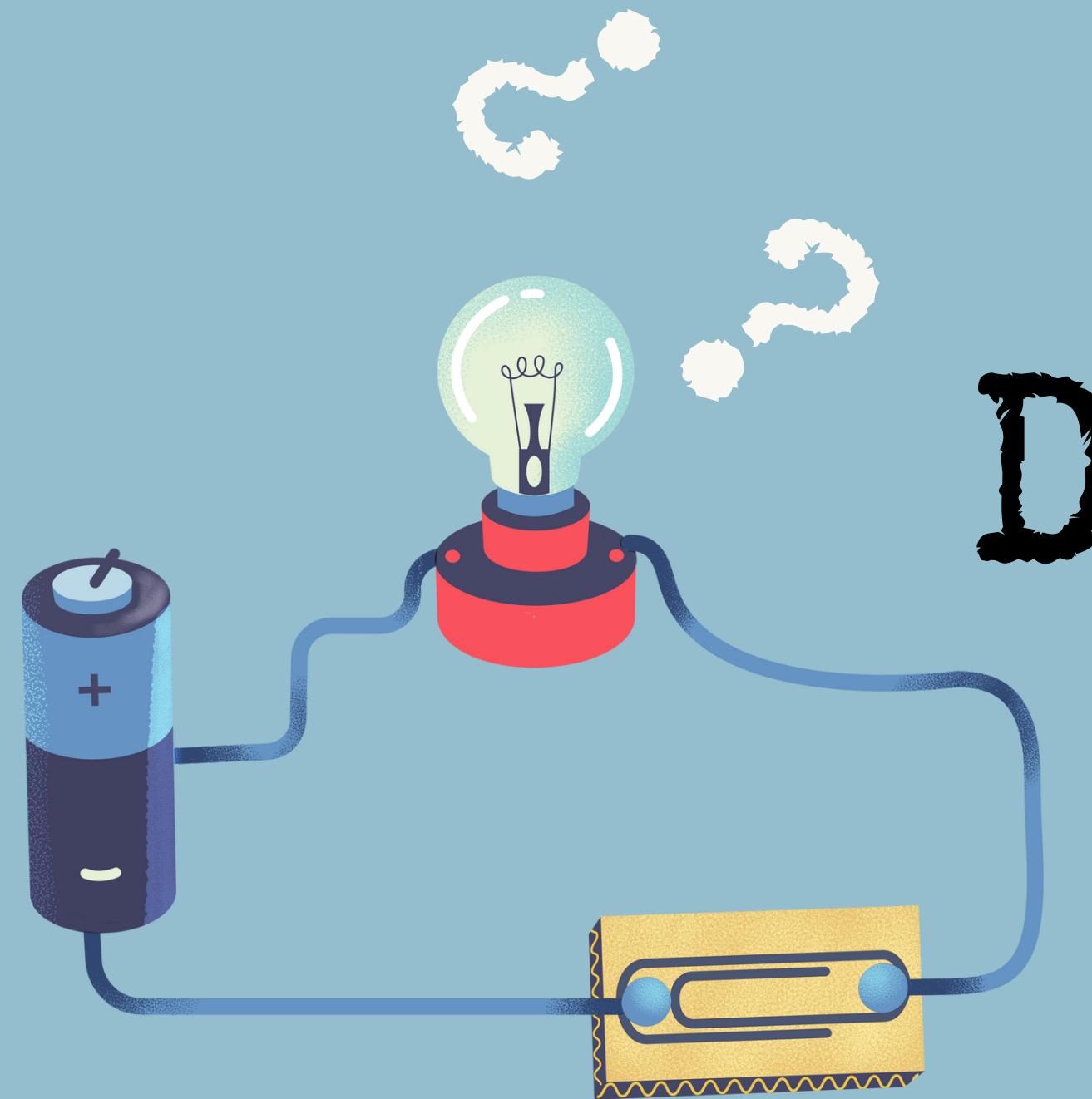
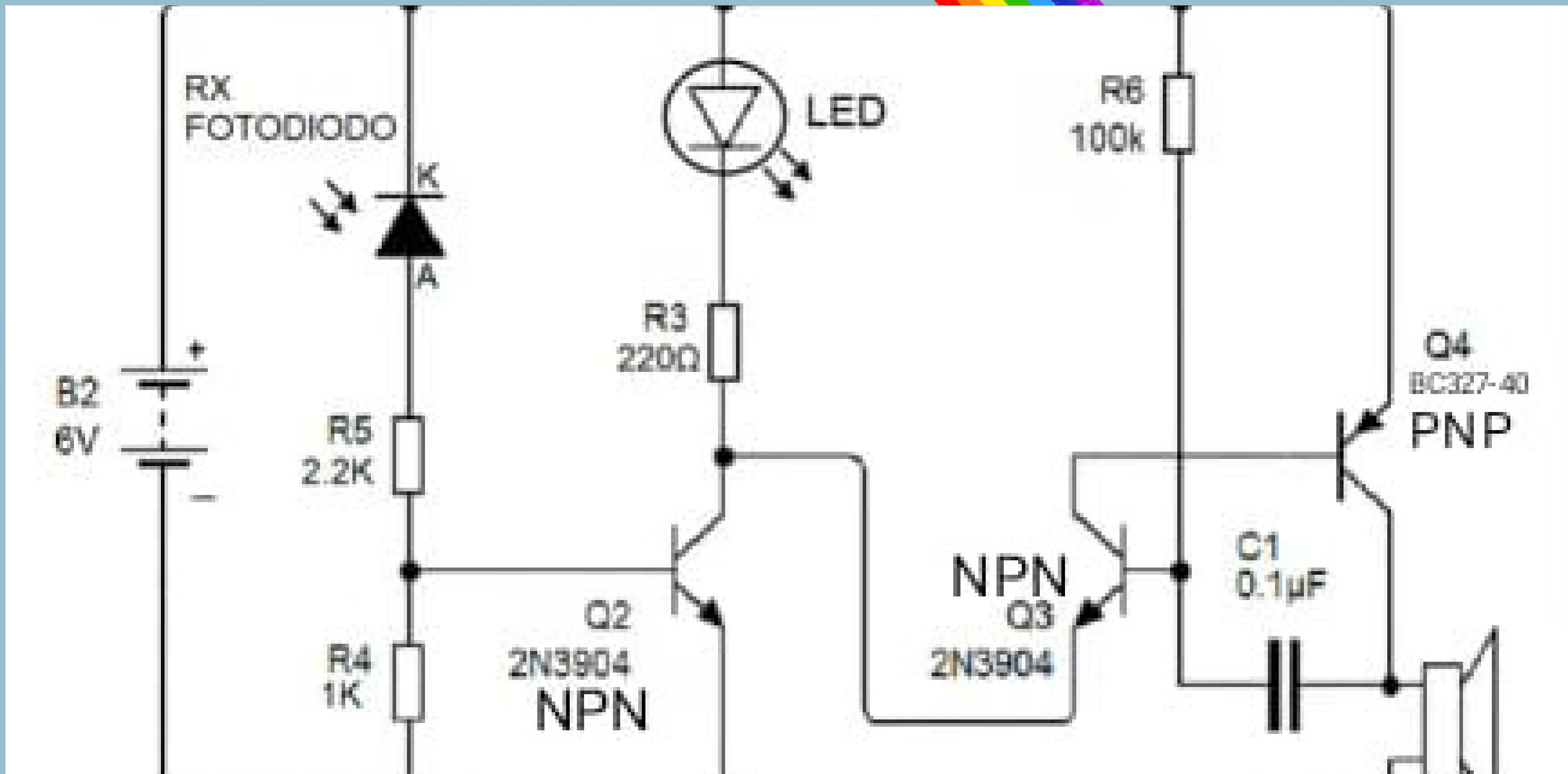
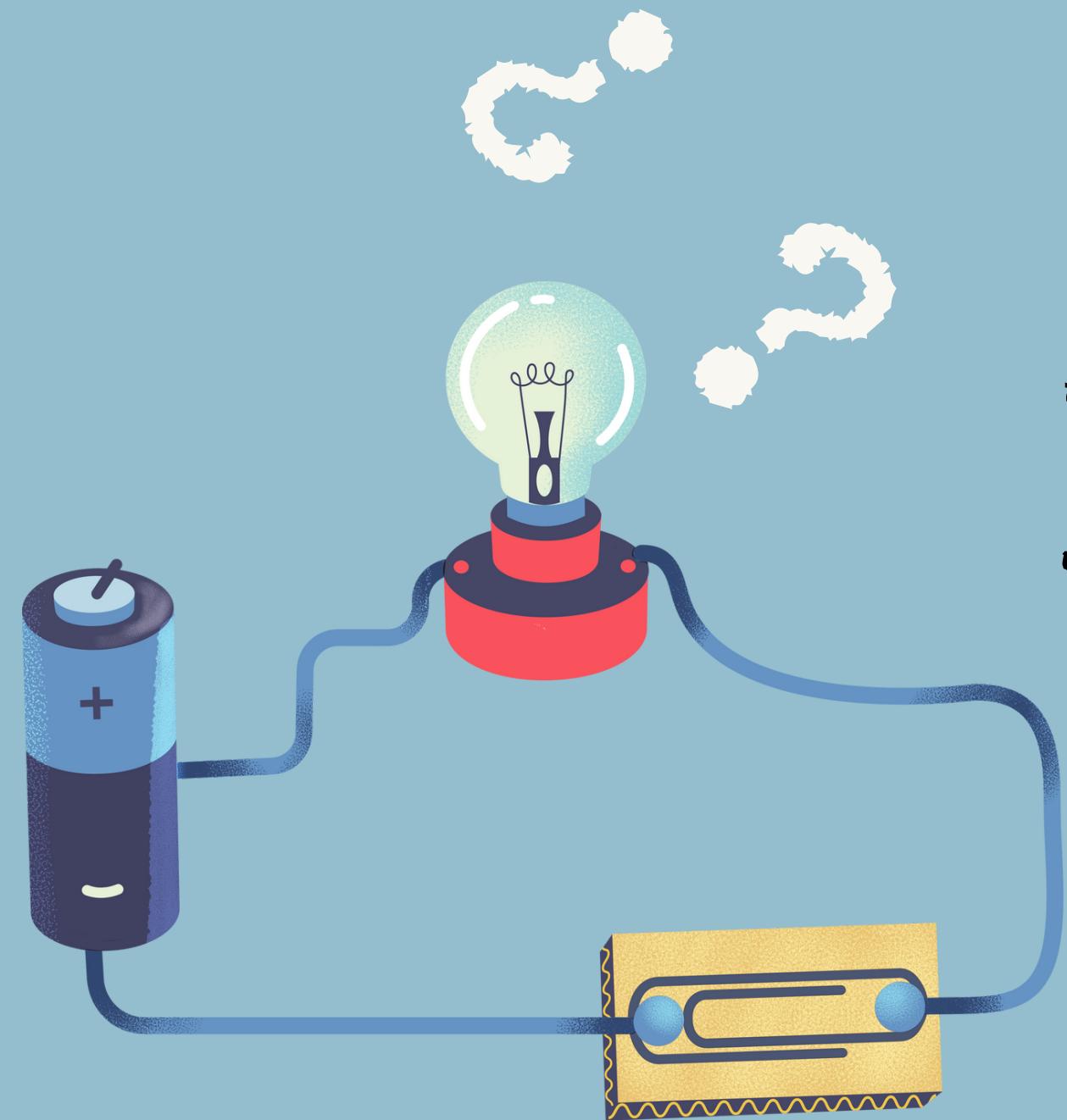


DIAGRAMA DEL CIRCUITO

POR: MARISOL OSMA LLANES

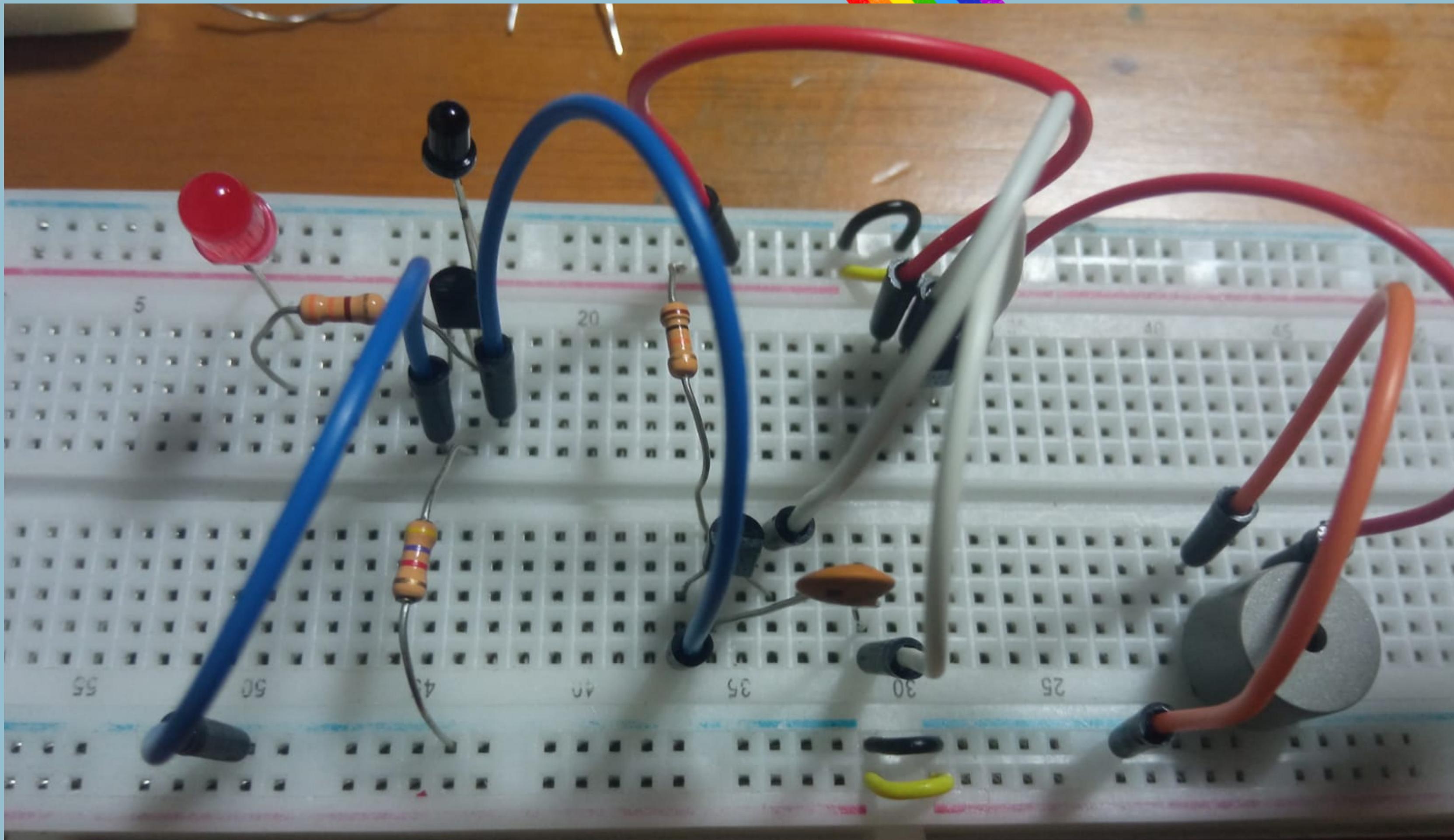


POR: MARISOL OSMA LLANES



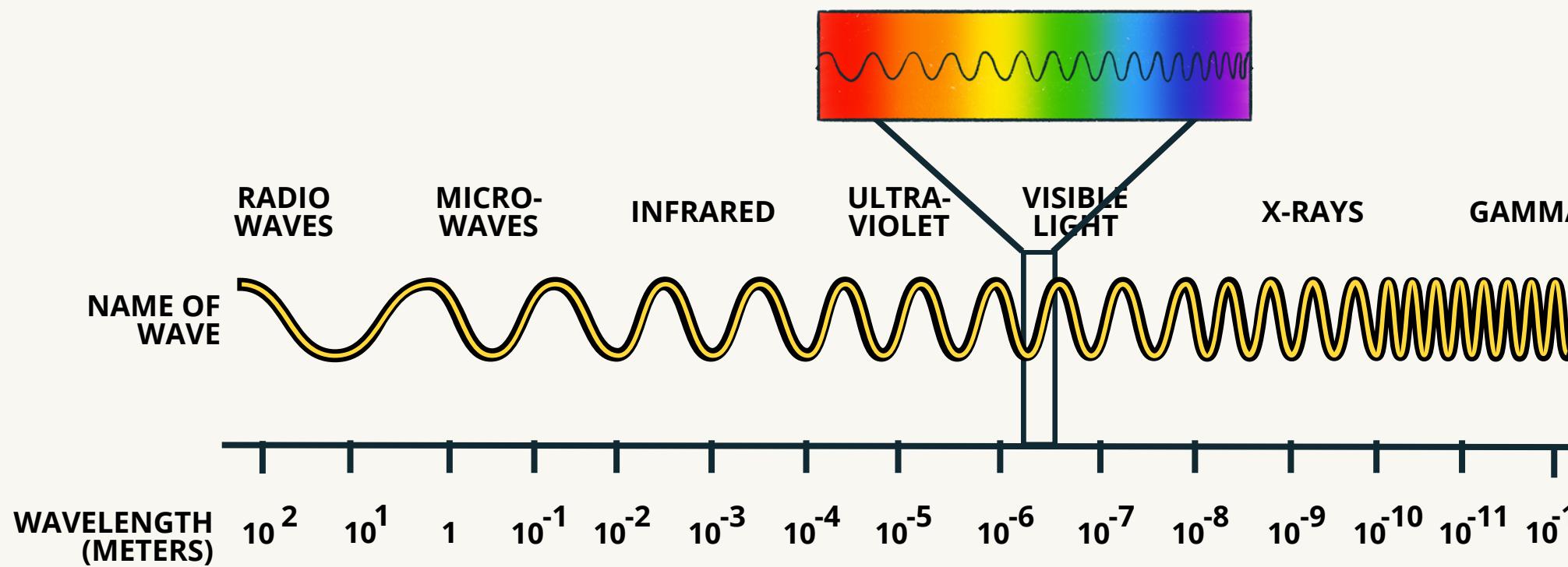
MONTAJE DEL CIRCUITO

POR: MARISOL OSMA LLANES



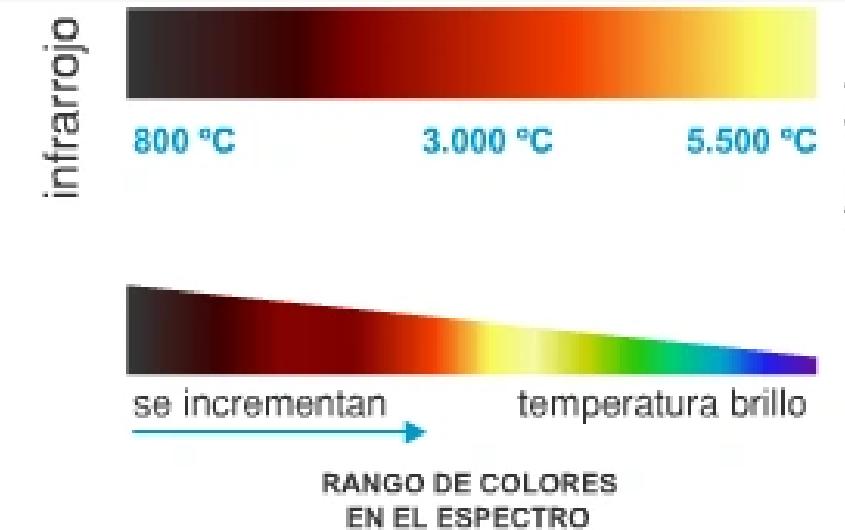
POR: MARISOL OSMA LLANES

LUZ VISIBLE

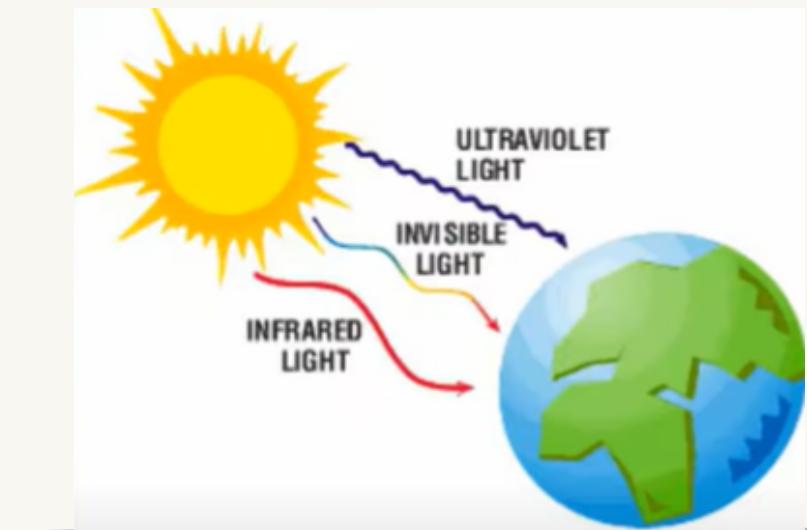
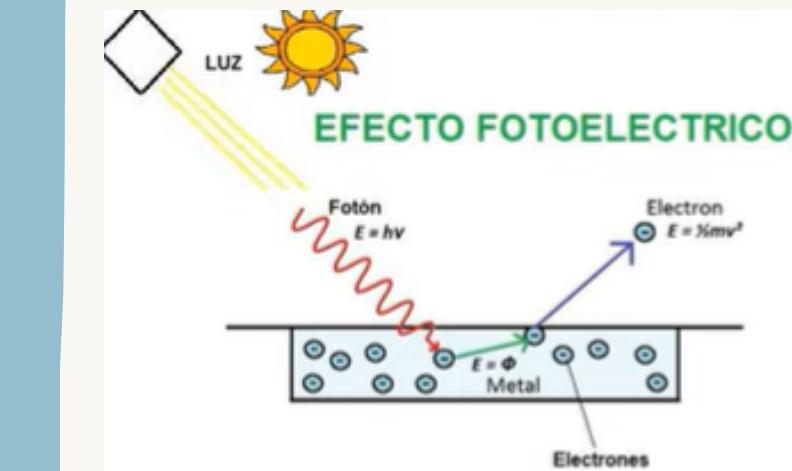


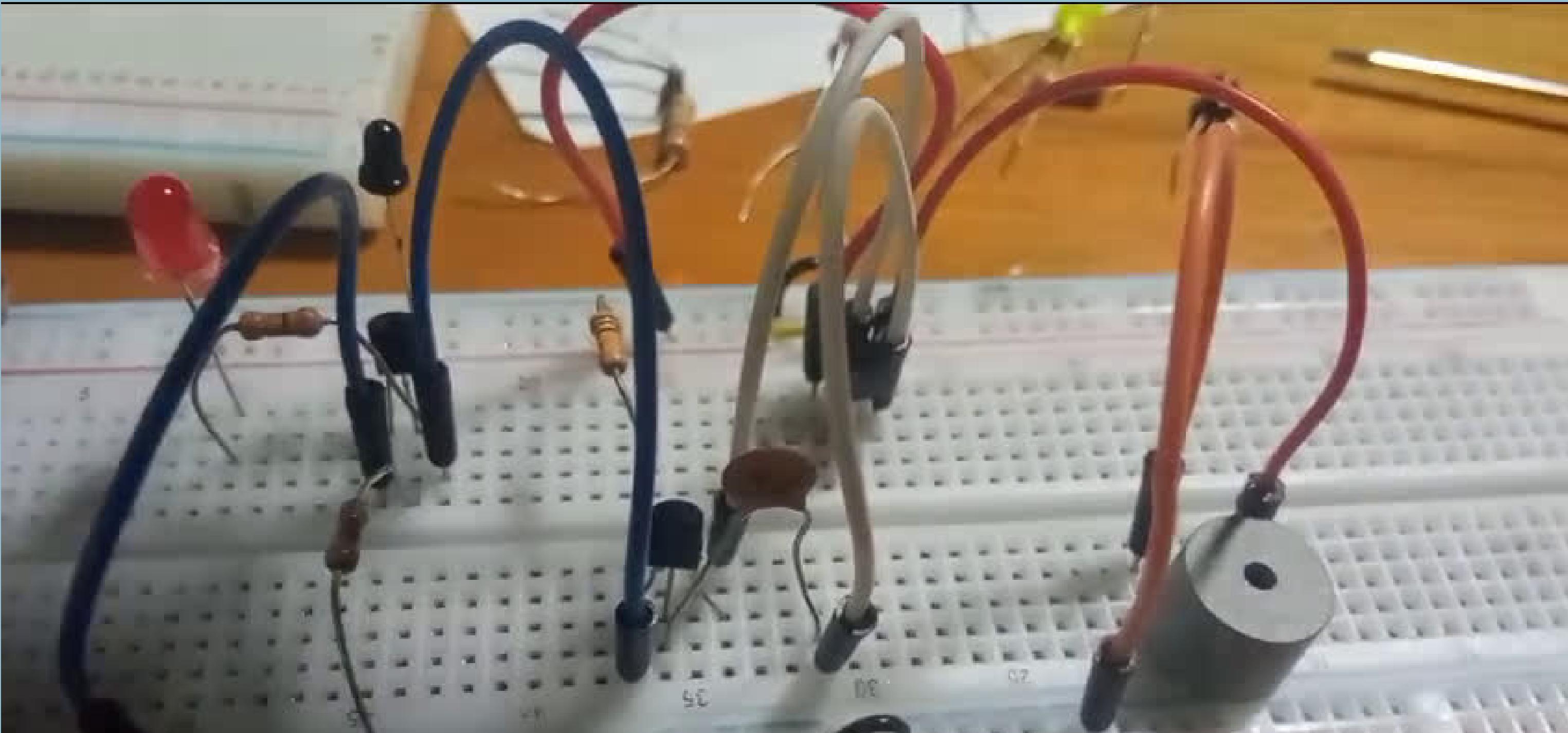
una porción estrecha del espectro electromagnético que los humanos pueden ver

FUEGO/FLAMA



RAYOS SOLARES





CONTROL TV

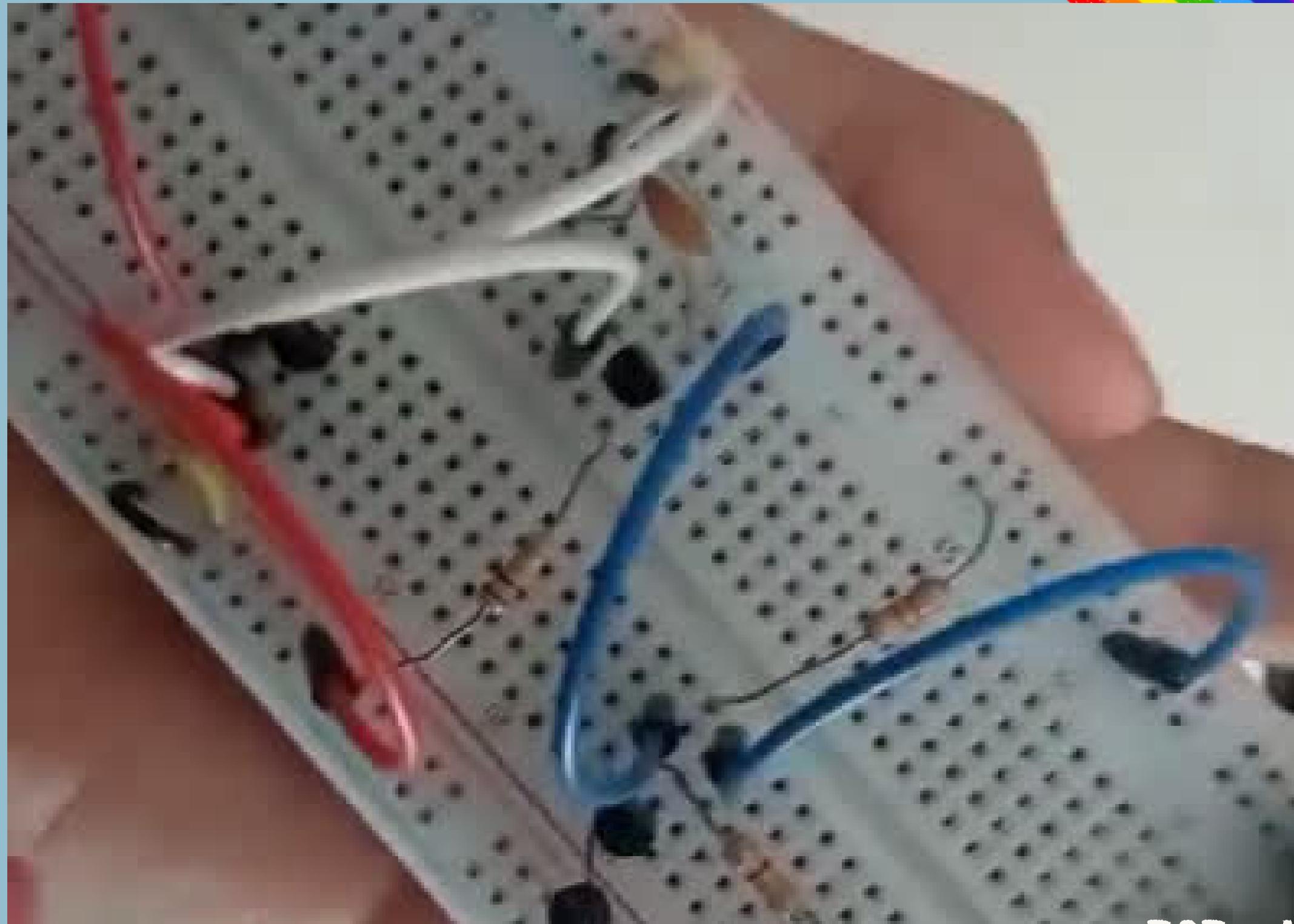
INTERMITENCIA

FUEGO/FLAMA

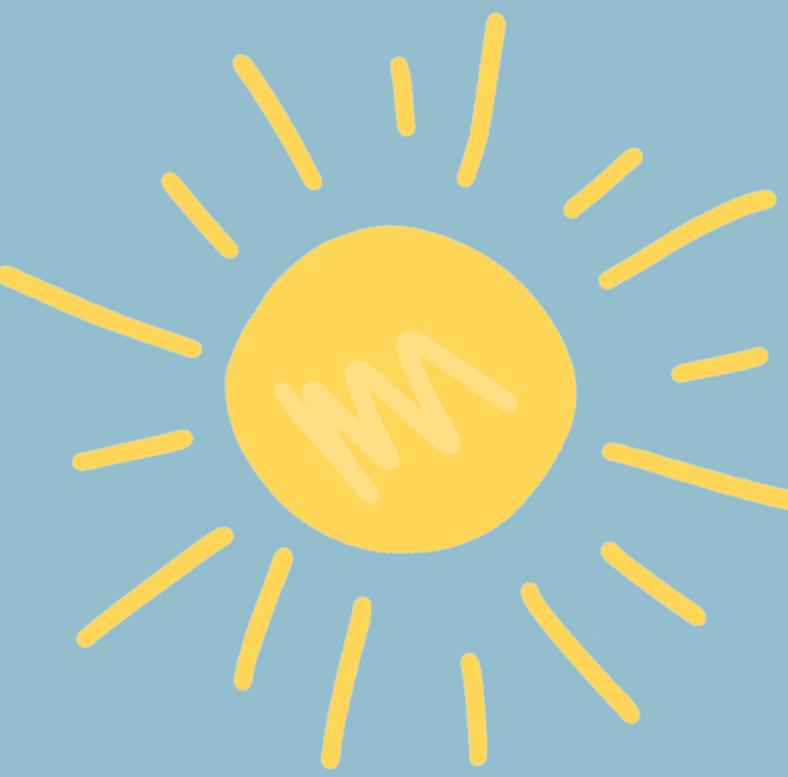
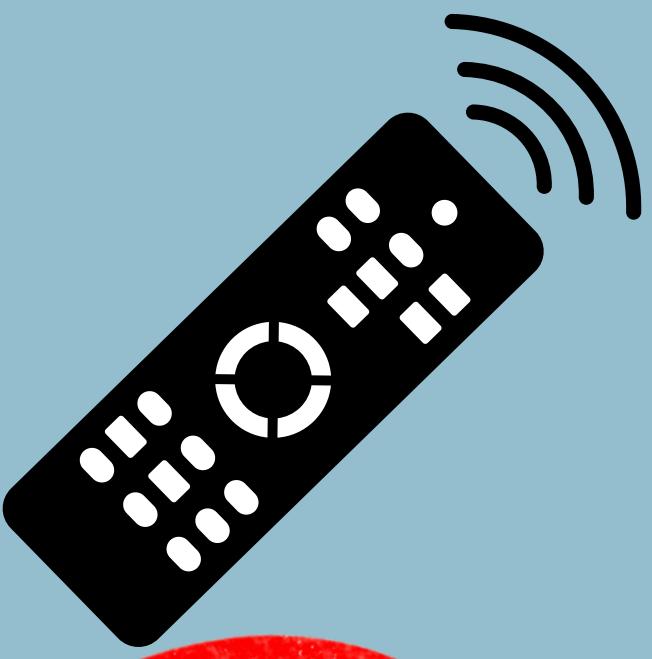
CONSTANTE

POR: MARISOL OSMA LLANES

Prueba Del Detector Infrarrojo En El Sol



POR: MARISOL OSMA LLANES



GRACIAS



MARISOL OSMA LLANES
CÓDIGO: 22II466