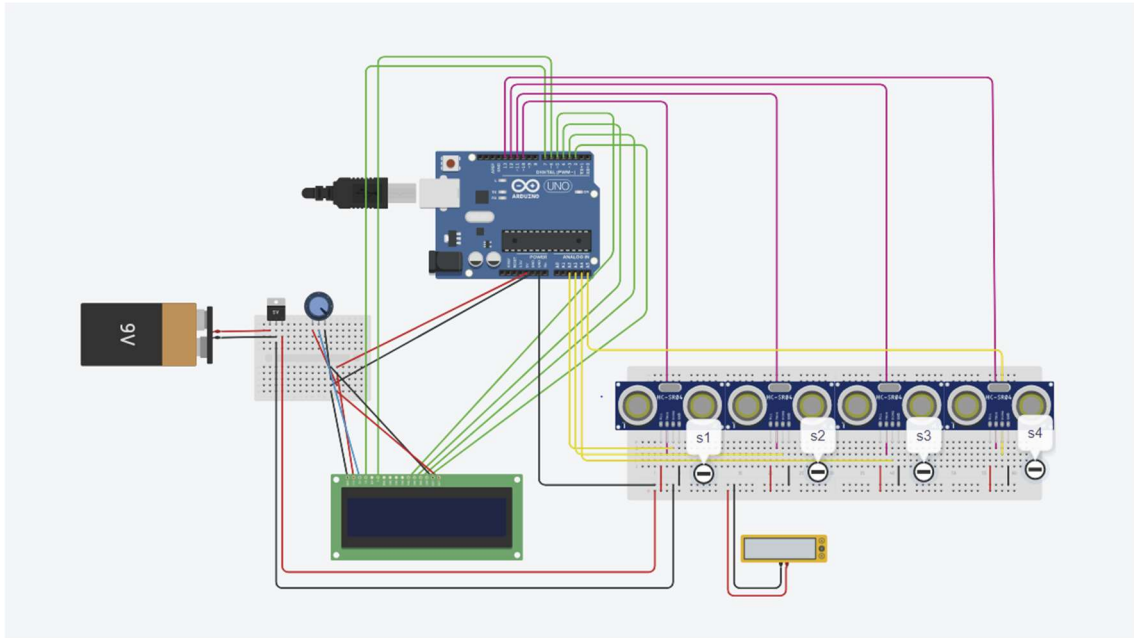


<https://www.tinkercad.com/things/8cSnzyLbVzi>



```
#include<LiquidCrystal.h>
LiquidCrystal lcd(7,6,5,4,3,2);
int trigger[]={10,11,12,13};
int echo[]={A2,A3,A4,A5};
float df[4];
void setup(){
  Serial.begin(9600);
  for (int i=0;i<4;i++)
  {
    pinMode(trigger[i],OUTPUT);
    pinMode(echo[i],INPUT);
    digitalWrite(trigger[i],LOW);
  }
  lcd.begin(16,2);
  lcd.clear();
  lcd.print("Proyectos I");
  lcd.setCursor(0,1);
```

```

    lcd.print("El robot");

    delay(50);
}

void loop(){

    float t;

    float minimo=400;

    int pos=0;

    for (int i=0;i<4;i++){

        digitalWrite(trigger[i],HIGH);

        delayMicroseconds(10);

        digitalWrite(echo[i],LOW);

        t=pulseIn(echo[i],HIGH);

        df[i]=t/59;

        if (df[i]<minimo){

            minimo=df[i];

            pos=i+1;

        }

        Serial.print("Distancias: ");

        minimo=df[i];

        pos=i+1;

        Serial.print("minimo: ");

        Serial.print(minimo);

        Serial.print(" cm pos: ");

        Serial.println(pos);

        lcd.clear();

        lcd.print(minimo);

        lcd.setCursor(0,1);

        lcd.print("Sensor: ");

        lcd.setCursor(6,1);

        lcd.print(pos);

    }

    delay(10);
}

```