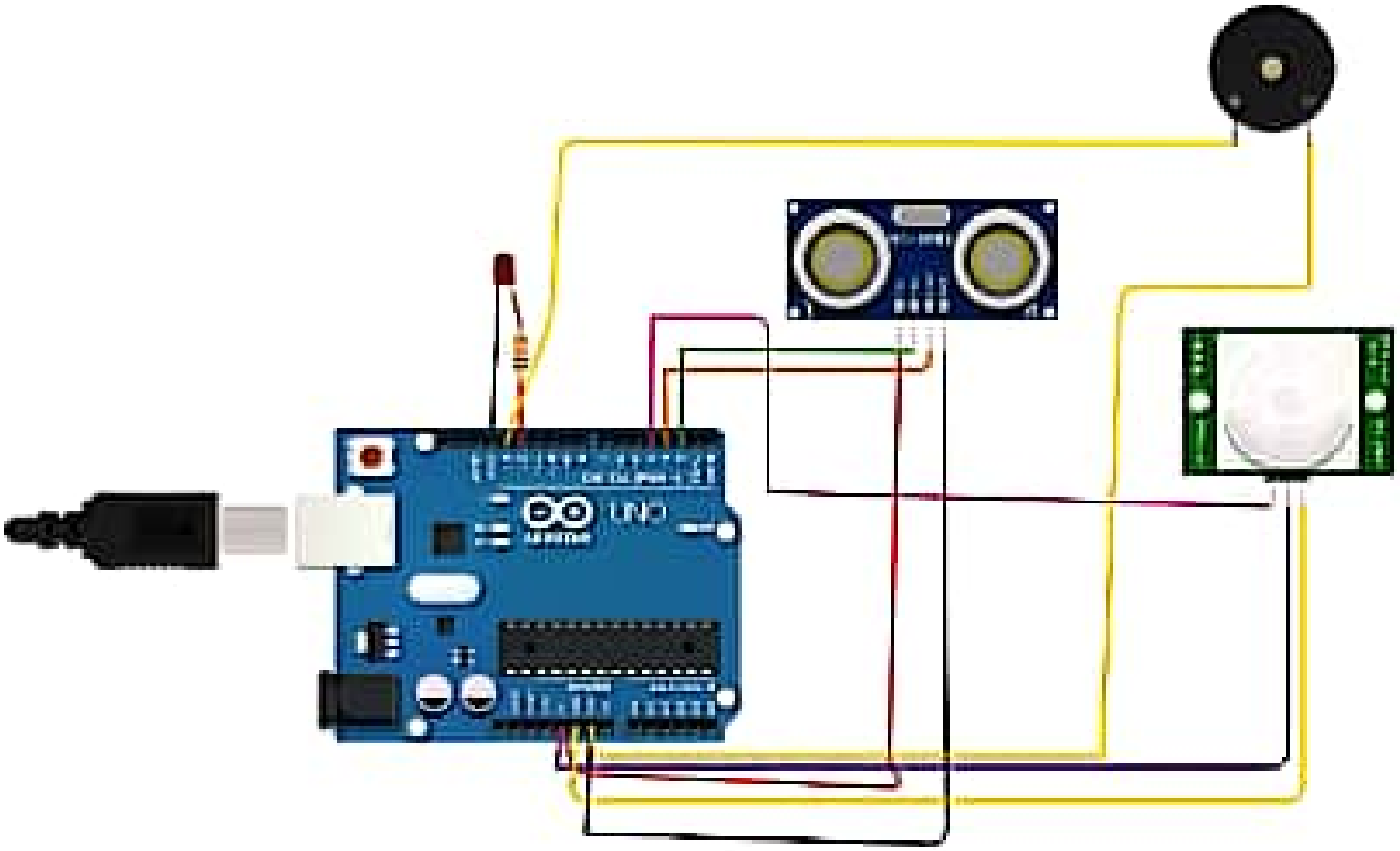

Scanned with CamScanner

```
int t = 2;
int e = 3;
void setup()
{
  Serial.begin(9600);
  pinMode(12,OUTPUT);
  pinMode(t,OUTPUT);
  pinMode(e,INPUT);
  pinMode(4,INPUT);
  pinMode(13,OUTPUT);

}

void loop()
{
  digitalWrite(12,HIGH);
  Serial.println("LED ON");
  digitalWrite(t,LOW);
  digitalWrite(t,HIGH);
  delayMicroseconds(10);
  digitalWrite(t,LOW);
  float dur = pulseIn(e,HIGH);
  float dis = (dur*0.0343)/2;
  Serial.print("Distance is");
  Serial.println(dis);
  int p = digitalRead(4);
  Serial.println(p);
```

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```
  if(p)

    Serial.println("Motion Detected!!!");
   delay(1000);
  tone(12,30);
  delay(100);
}
```

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