

```
void setup()
{
  Serial.begin(115200);
  pinMode(13,OUTPUT);
}
void loop()
{
  pinMode(11,OUTPUT);
  digitalWrite(11,0);
  delayMicroseconds(2);
  digitalWrite(11,1);
  delayMicroseconds(5);
  digitalWrite(11,0);
  pinMode(12,INPUT);
  long t = pulseIn(12,1);
  float D = t/29/2;
  Serial.print(D);
  Serial.print(",");
  Serial.println(t);
  if(D<20.0)
  {
    digitalWrite(13,1);
    delay(D*10);
    digitalWrite(13,0);
    delay(D*10);
  }
  else
  digitalWrite(13,0);
  delay(200);
}
```