

```
int PING_TRIG1=10;
int PING_ECO1=9;
int PING_TRIG2=12;
int PING_ECO2=8;
int pump=13;
long duration1, duration2, distance1, distance2;

void setup() {

  pinMode(PING_ECO1, INPUT);
  pinMode(PING_TRIG1, OUTPUT);
  pinMode(PING_ECO2, INPUT);
  pinMode(PING_TRIG2, OUTPUT);
  pinMode(pump, OUTPUT);
  Serial.begin(9600);
}

void loop() {

  digitalWrite(PING_TRIG1, HIGH);
  delayMicroseconds(10);
  digitalWrite(PING_TRIG1, LOW);
  duration1 = pulseIn(PING_ECO1, HIGH);
  distance1 = (duration1/2)/2.9;
  Serial.println(distance1);
  delay(50);

  digitalWrite(PING_TRIG2, HIGH);
  delayMicroseconds(10);
  digitalWrite(PING_TRIG2, LOW);
  duration2 = pulseIn(PING_ECO2, HIGH);
  distance2 = (duration2/2)/2.9;

  Serial.println(distance2);

  if(distance1 > 20 && distance2 > 50)
    digitalWrite(pump, HIGH);

  if((distance1 <= 20) || (distance2 <= 50) || (distance1 <= 20 && distance2 >= 50)
    || (distance1 >= 20 && distance2 <= 50))
    digitalWrite(pump, LOW);
}
```