

Code:

```
void setup(){
    pinMode(3,INPUT);
    pinMode(4,INPUT);
    pinMode(13,OUTPUT);
    pinMode(2,OUTPUT);
    Serial.begin(9600);
}

void loop(){
    int state = digitalRead(3);
    Serial.println(state);
    if(state)
        digitalWrite(13,LOW);
    else
        digitalWrite(13,HIGH);

    digitalWrite(2,LOW);
    digitalWrite(2,HIGH);
    delayMicroseconds(10);
```

```
digitalWrite(2,LOW);  
float dur = pulseIn(4,HIGH);  
float dis = (dur*0.0343)/2;  
Serial.println(dis);  
}
```

Diagram:

