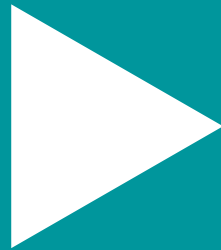




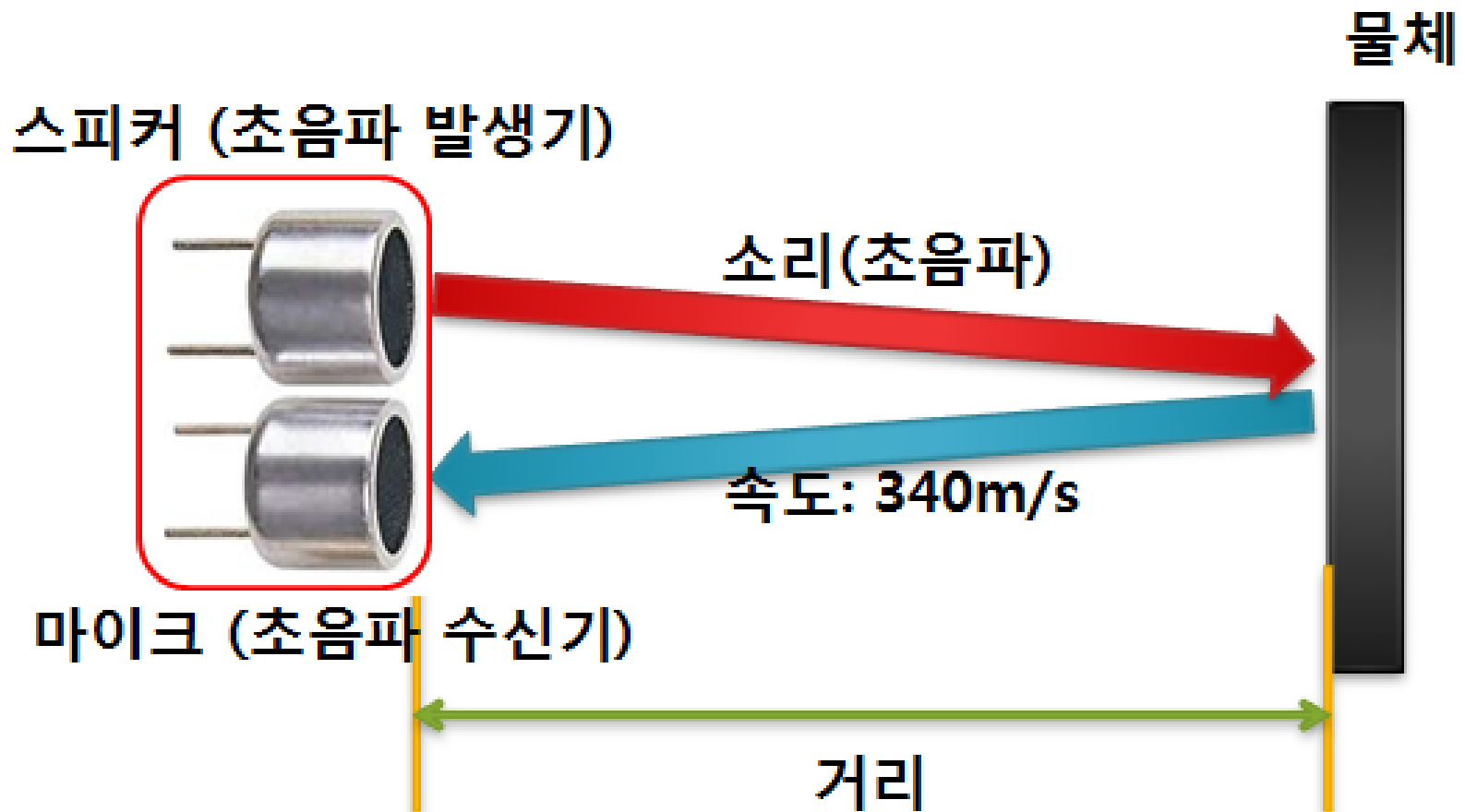
사물인터넷 Internet of Things

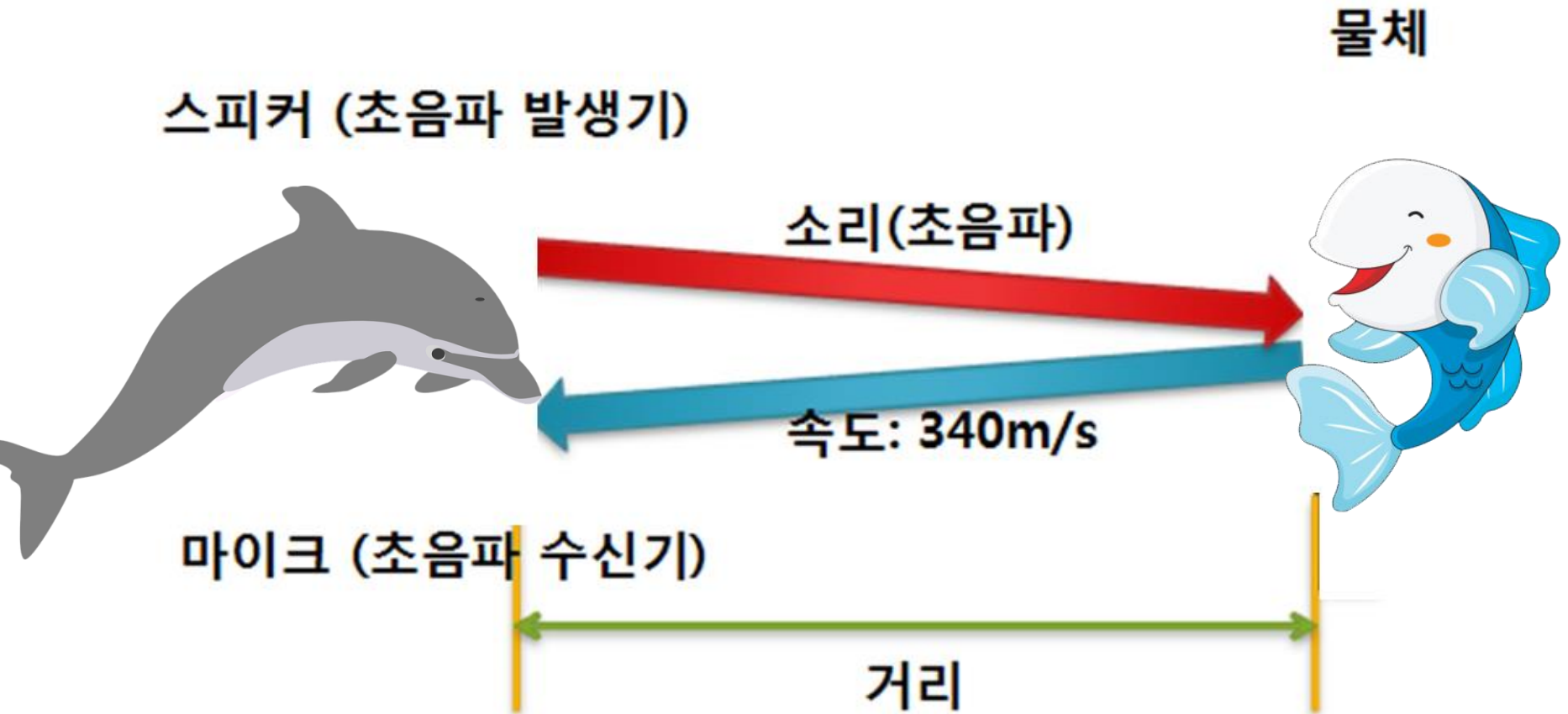


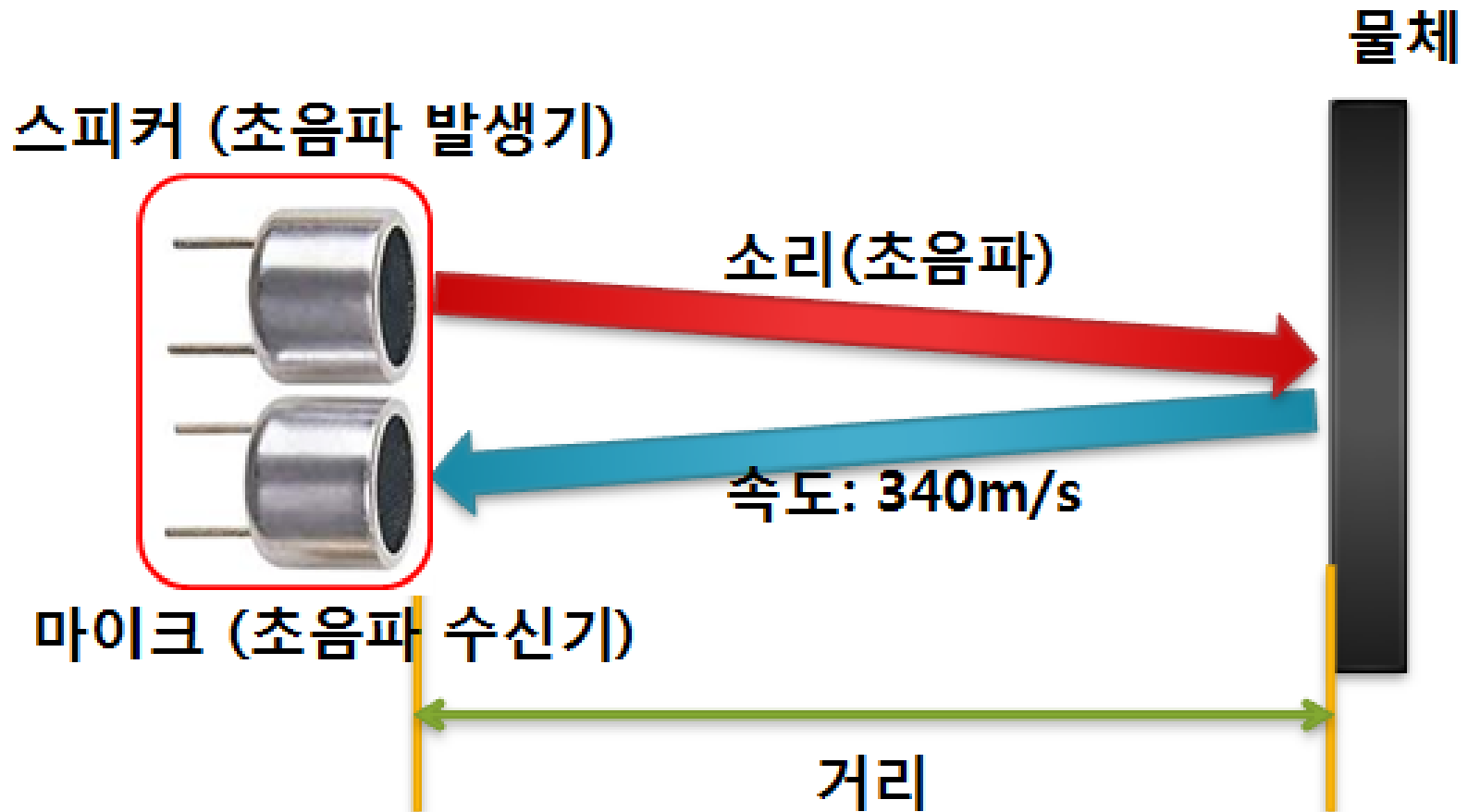
스마트인재개발원
나 예 호 선임연구원

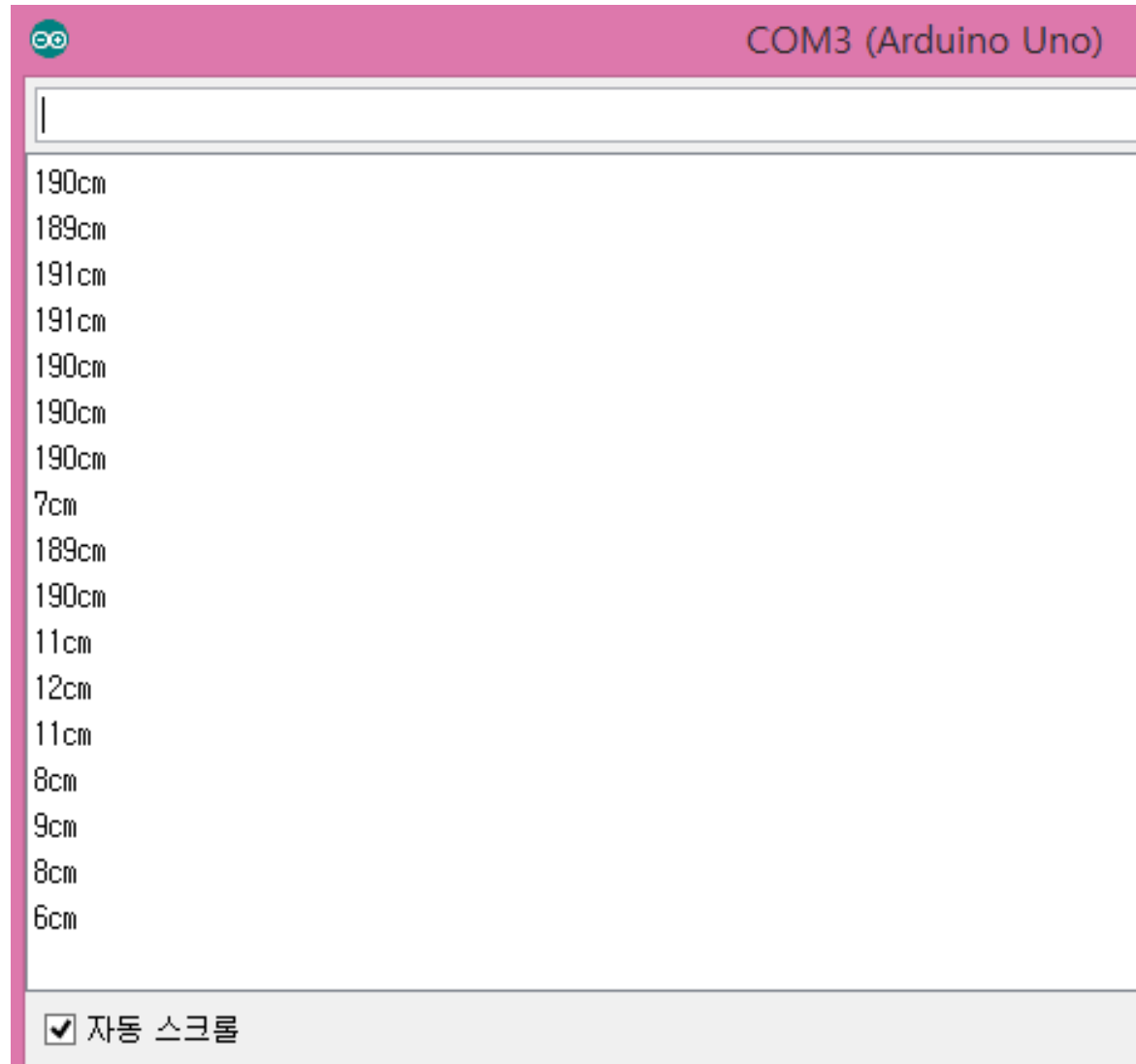




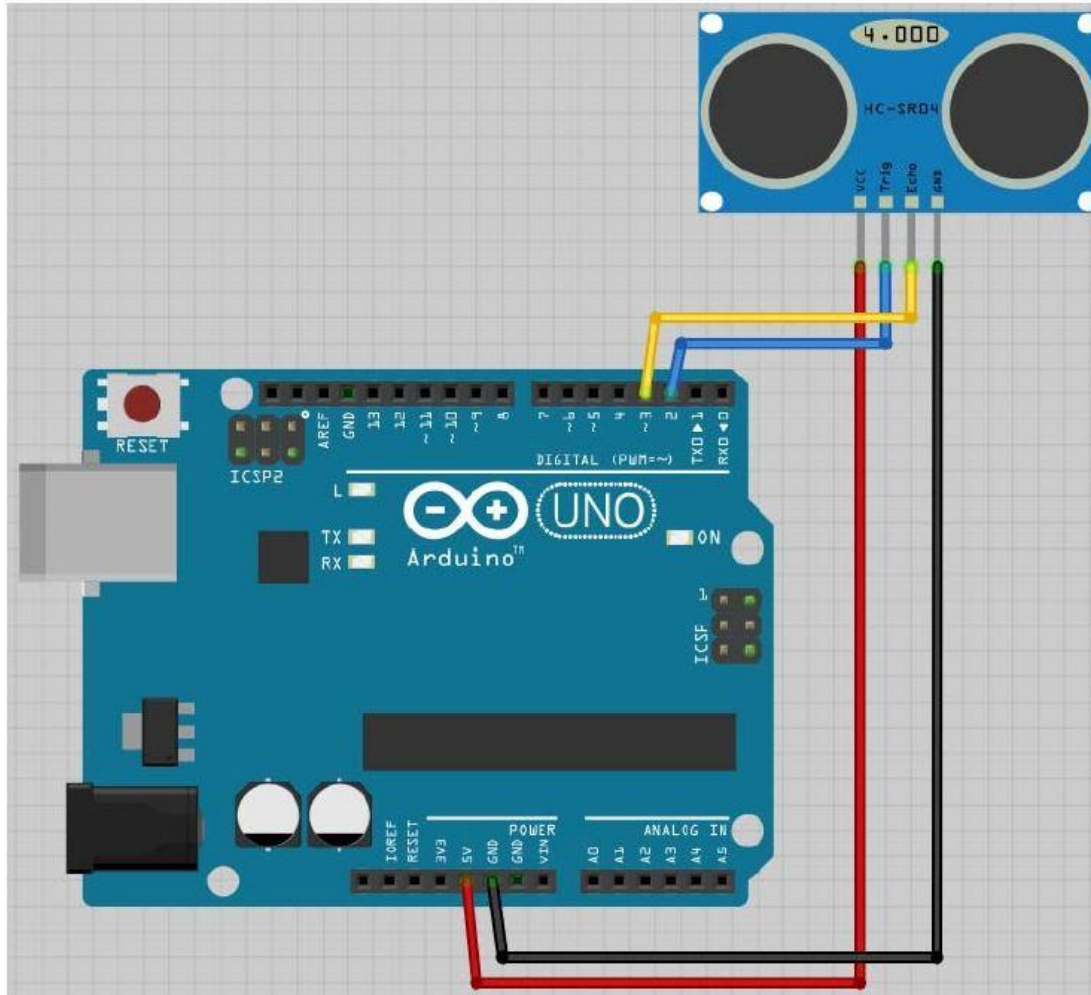








거리 측정하기




```
int trig = 2;  
int echo = 3;
```

trigger와 echo pin번호 설정

```
void setup() {  
  Serial.begin(9600);  
  pinMode(trig, OUTPUT);  
  pinMode(echo, INPUT);  
}
```

trigger와 echo pinMode 설정

```
void loop() {  
  digitalWrite(trig, HIGH);  
  delay(10);  
  digitalWrite(trig, LOW);
```

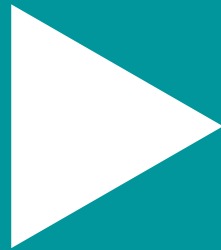
초음파 송신

Echo pin: LOW->HIGH 간격을 측정

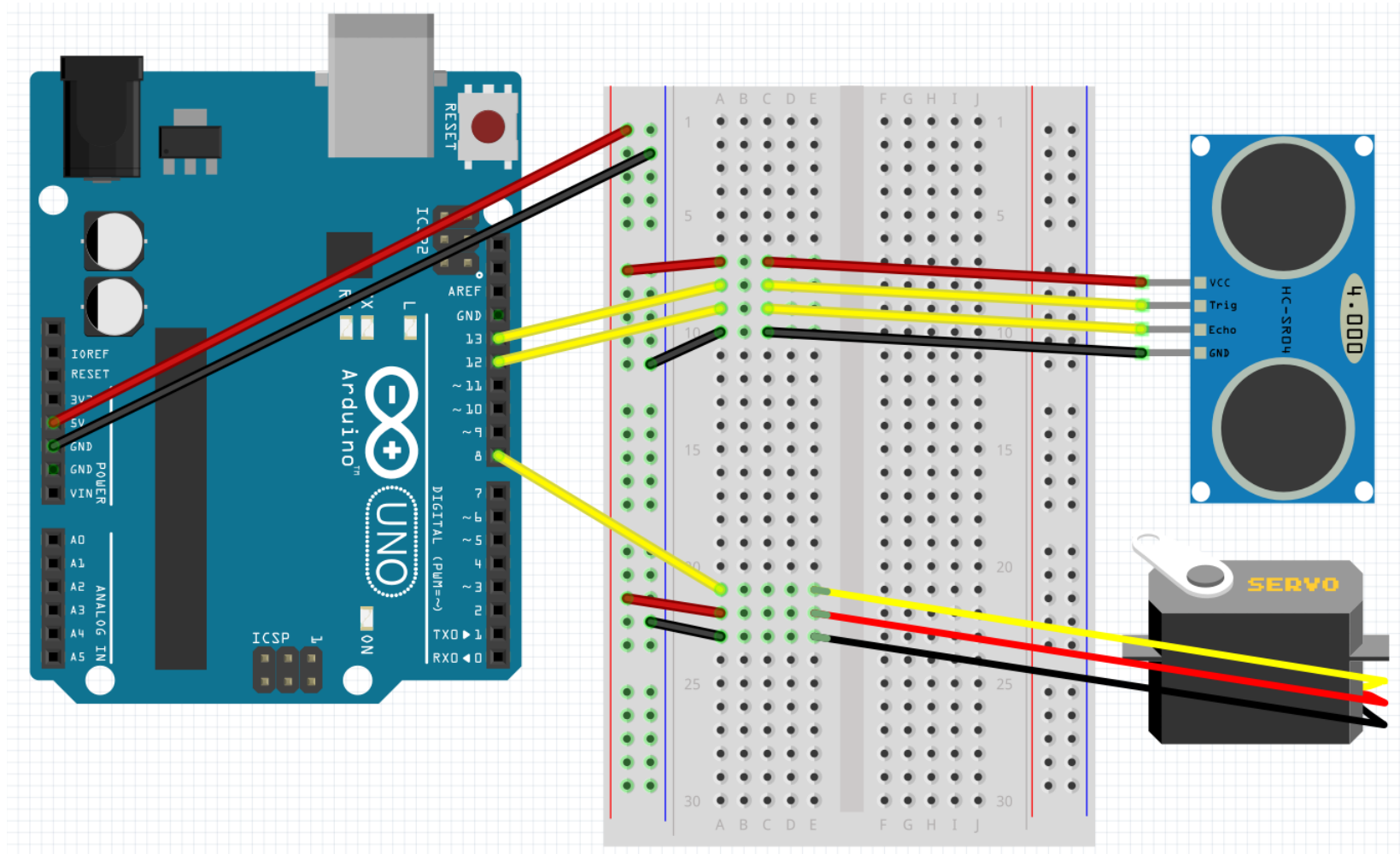
```
  int duration= pulseIn(echo, HIGH);  
  int distance = (duration/2) /29.1;
```

거리(cm)로 변환

```
  Serial.print(distance);  
  Serial.println("cm");  
  delay(300);  
}
```



차단기-1





감사합니다!



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