#define signalPin 7

long duration;

int distance;

void setup() {

pinMode(signalPin, OUTPUT);

Serial.begin(9600);

Serial.println("Ultrasonic Sensor Test");

Serial.println("with Arduino UNO R3");

}

void loop() {

pinMode(signalPin, OUTPUT);

digitalWrite(signalPin, LOW);

delayMicroseconds(2);

digitalWrite(signalPin, HIGH);

delayMicroseconds(10);

digitalWrite(signalPin, LOW);

pinMode(signalPin, INPUT);

duration = pulseIn(signalPin, HIGH);

distance = duration \* 0.034 / 2;

Serial.print("Distance: ");

Serial.print(distance);

Serial.println(" cm");

if(distance < 10)

{

Serial.println(" Garbage Full");

}

delay(100);

}