#include <SoftwareSerial.h>

#include <DHT.h>

#define DHTPIN 2

#define DHTTYPE DHT11

SoftwareSerial zigbee(10, 11);

DHT dht(DHTPIN, DHTTYPE);

void setup() {

Serial.begin(9600);

zigbee.begin(9600);

dht.begin();

}

void loop() {

float temp = dht.readTemperature();

float hum = dht.readHumidity();

if (!isnan(temp) && !isnan(hum)) {

zigbee.print("Temp: ");

zigbee.print(temp);

zigbee.print(" C, Hum: ");

zigbee.print(hum);

zigbee.println(" %");

Serial.print("Temp: ");

Serial.print(temp);

Serial.print(" C, Hum: ");

Serial.print(hum);

Serial.println(" %");

}

delay(5000);

}