#include <SoftwareSerial.h>

#include <IRremote.h>

 #include <IRremote.h>

int RECV\_PIN = 7;

IRrecv irrecv(RECV\_PIN);

decode\_results results;

const int MOTOR=5; //Motor on Digital Pin 5

void setup()

{

 Serial.begin(9600);

 irrecv.enableIRIn(); // Start the receiver

 Serial.println(results.value, HEX);

 irrecv.resume(); // Receive the next value

 pinMode(MOTOR,OUTPUT);

}

void loop()

{

 if (irrecv.decode(&results)) {

 Serial.println(results.value, HEX);

 irrecv.resume(); // Receive the next value

 for (int i=0; i<256; i++)

{

 analogWrite(MOTOR,i);

 delay(10);

}

 delay(2000);

 for (int i=255; i>=0; i--)

 {

 analogWrite(MOTOR, i);

 delay(10);

 }

 delay(2000);

}

}