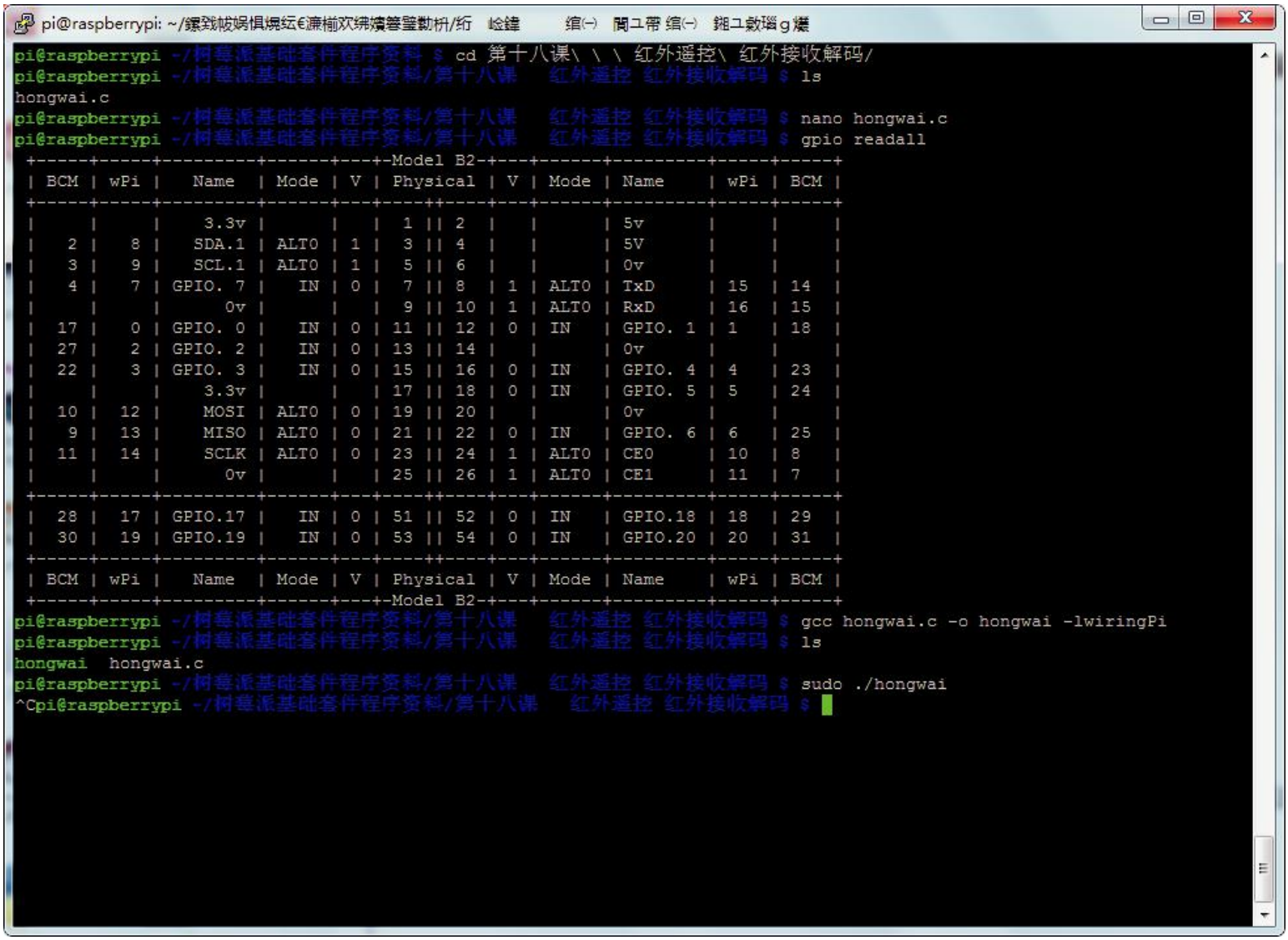
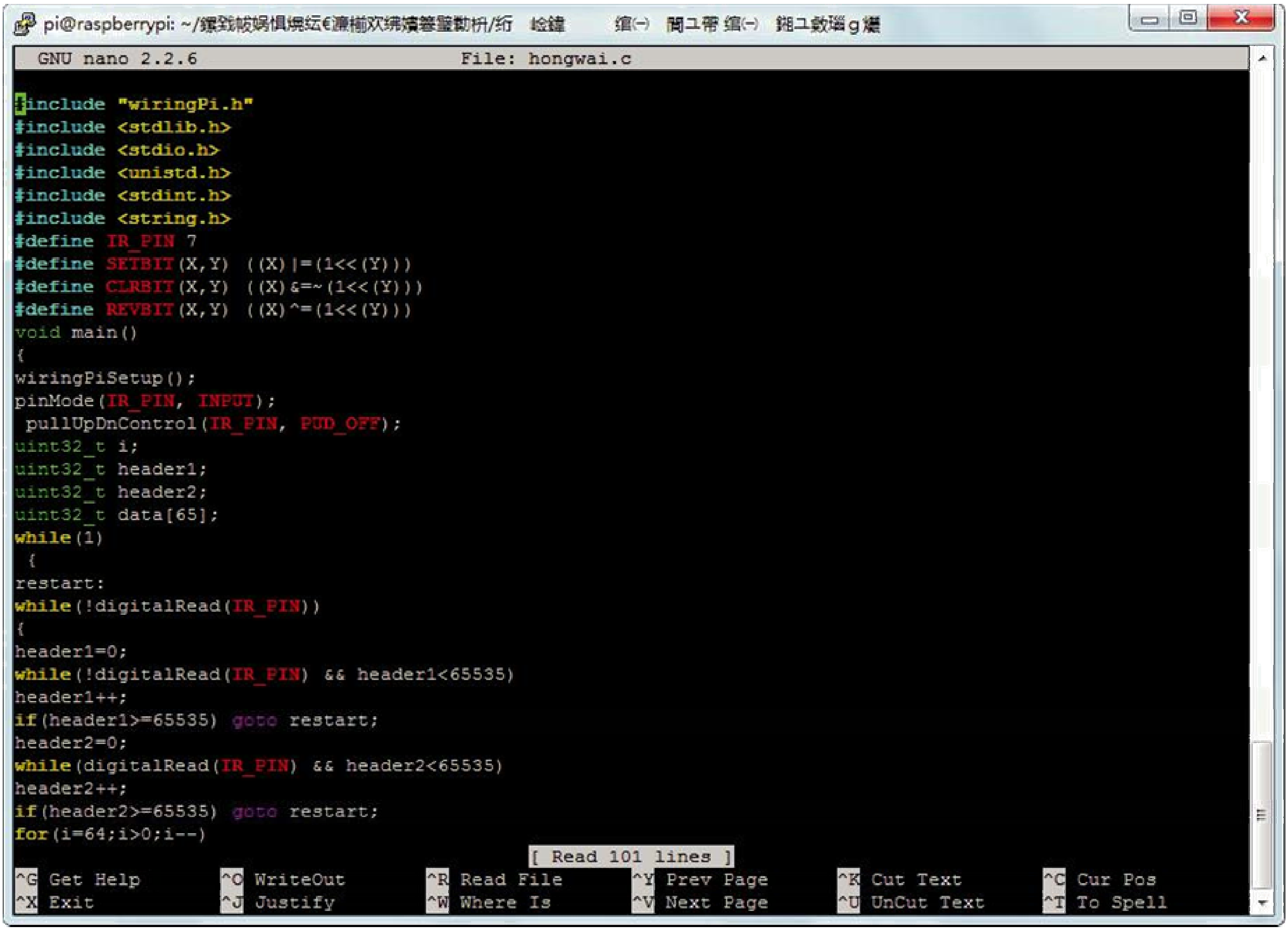
Project 18: IR received signal decoding



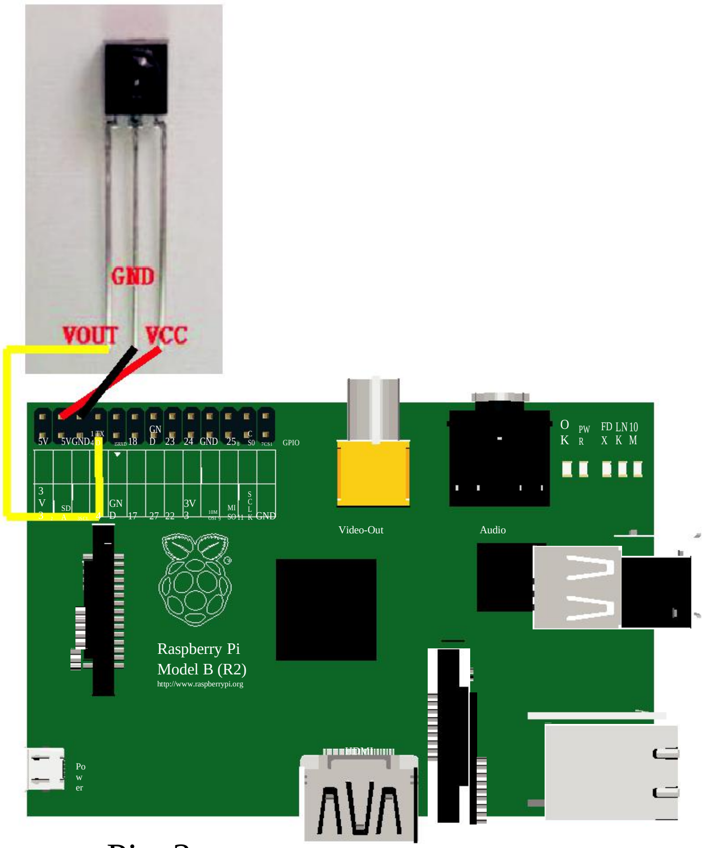
Pic. 1



```
GNU nano 2.2.6                File: hongwai.c

#include "wiringPi.h"
#include <stdlib.h>
#include <stdio.h>
#include <unistd.h>
#include <stdint.h>
#include <string.h>
#define IR_PIN 7
#define SETBIT(X,Y)  ((X)|=(1<<(Y)))
#define CLRBIT(X,Y)  ((X)&=~(1<<(Y)))
#define REVBIT(X,Y)  ((X)^=(1<<(Y)))
void main()
{
wiringPiSetup();
pinMode(IR_PIN, INPUT);
 pullUpDnControl(IR_PIN, PUD_OFF);
uint32_t i;
uint32_t header1;
uint32_t header2;
uint32_t data[65];
while(1)
 {
restart:
while(!digitalRead(IR_PIN))
{
header1=0;
while(!digitalRead(IR_PIN) && header1<65535)
header1++;
if(header1>=65535) goto restart;
header2=0;
while(digitalRead(IR_PIN) && header2<65535)
header2++;
if(header2>=65535) goto restart;
for(i=64;i>0;i--)
                          [ Read 101 lines ]
^G Get Help    ^O WriteOut    ^R Read File    ^Y Prev Page    ^K Cut Text    ^C Cur Pos
^X Exit        ^J Justify     ^W Where Is     ^V Next Page    ^U UnCut Text  ^T To Spell
```

Pic. 2



Pic. 3