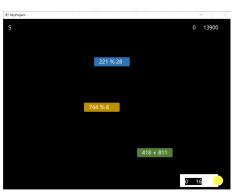
附件1:游戏界面



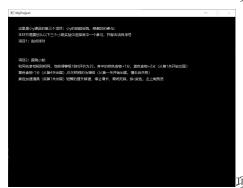
初始界面:



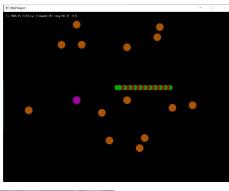
项目 2-1 界面示例:



项目 2-初始界面:



项目 3-2 界面示例:



项目 3-初始界面:

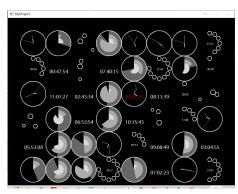




项目 5-初始界面:



□项目 5-2 界面示例:



项目 5-1 界面示例:

附件 4: 程序源代码

完整的代码如下:

源.cpp:

```
<del>/***********************</del>
   程序名:小 y 的课设作业
    版权: Copyright littley & LyIc
    作者:小y(欧博远)
    北京工业大学 210241 班 21024112 欧博远 2022.春 高级语言程序设计课设课程作品
    打包日期: 2022.5.2 若文件更改时间晚于此时间则文件无效。
   项目组成: (在项目 1 至 5 中,仅需参与任意一个*计*分*项目,非计分项目不算(下面标记为
#),项目4完成项目任务即可,1-4全部参与后解锁项目5,项目5参与完成后结束)
   项目 1: 小 y 的音游板 (提交的作业中不包含该项目)
    项目 2: 小 y 的翻牌实验
    项目 2-1: 小 y 的计算大师
                                    项目 2-2: 小 v 的卡牌大师
    项目3: 小y的前庭后院
    项目 3-1: 小 y 的甜点派对
                                    项目 3-2: 小 y 的庭院小蛇
   项目 4: 小 y 的概率论 (提交的作业中不包含该项目)
   项目 5: 小 y 的星河世界
    项目 5-1: 小 y 的幻想时空
                                   #项目 5-2: 小 v 的星河之旅
    需要注意的问题:
    其中参与到课设作业的项目有: 2-1、3-2、3-3、5-1、5-2(包含有动态链表和/或文件记录的子
程序名:小 y 的课设作业
    版权: Copyright littley & Lylc
作者:小y(欧博远)
16-41·37、以80962。
北京工业大学 21024 II 至 19·24 112 欧博廷 2022 卷 高级语言程序设计课设课程作品
项目组成。(在项目 1 至 5中,仅需参与任意一个*计*分*项*目*,非计分项目不算(下面标记为#),项目 4 完成项目任务即可,1-4 全部参
与后解锁项目 5. 项目 5 参与完成后结束)
项目 1 小 外的音谐板(建空的作业中不包含该项目)
    项目 1-1: 下落式音游/See U for 123 seconds #项目 1-2: 组合式音游/寻找自然时代(Instrumental)
    项目 2: 小 y 的翻牌实验
项目 2-1: 小 y 的计算大师
                          项目 2-2: 小 y 的卡牌大师
    項目 3. 小豆的前庭后院
    项目 3-1: 小y的胸起后院
项目 3-2: 小y的超点派对  项目 3-2: 小y的庭院小蛇
项目 4: 小y的概率论(提交的作业中不包含该项目)
项目 4-1: 小y的模拟抽笑池 项目 4-2: 小y的概率小游戏 项目 4-3: 小y的概率论高店
    项目 5: 小 y 的星河世界
    项目 5-1: 小 y 的幻想时空
                          #项目 5-2: 小 y 的星河之旅
    需要注意的问题:
    而安仁思的中心:
其中参与到课设作业的项目有: 2-1、3-2、5-1、5-2(包含有动态链表和/或文件记录的子项目).
#include <graphics.h>
#include<stdio.h>
#include<time.h>
#include<math.h>
#include <stdlib.h>
#include <windows.h>/
#include<iostream>
#pragma comment(lib,"Winmm.lib")
#define WIDTH 900
constexpr auto HEIGHT = 675;
#define PI 3.141592653589793238
#pragma warning(suppress : 4996)
#pragma warning(suppress : 4244)
//星星的各个属性宏定义
####
#define MAX_STAR 100 //: 数量
#define MAX_RADIUS 6
#define MAX_STEP 8
//星星的移动状态
#define STOP 0
#define UP 1
#define DOWN 2
#define LEFT 3
#define RIGTH 4
#define ALL_STATUS 5
//全局变量
       e mouse://鼠标信息
char s[128],key;//
void savep(int le,int fle, int n) {//将游戏存档入文件里
   char name[24];
   srand(time(NULL));
    SYSTEMTIME time
   FILE* fp = NULL;
       = fopen_s(&fp, "/save.txt", "a"); //这里的返回值是,如果成功返回 0,如果不成功返回非 0
       GetLocalTime(&time);
  e.wMonth, time.wDay, time.wHour, time.wMinute, time.wSecond, time.wMilliseconds, n);
else freinff 《传》,完成项目%45位,完成信息,Time:%d 年%d 月%d 日 %d%d%d.%dn*, le, fle, time.wYear, time.wMonth, time.wDay.
else freinff 《传》,完成项目%45位,完成信息,Time:%d 年%d 月%d 日 %d%d.%d.%dn*, le, fle, time.wYear, time.wMonth, time.wDay.
ewHour, time.wMinute, time.wSecond, time.wMilliseconds);
                  fprintf s(fp, "完成项目%d-%d, 完成信息: Time: %d 年%d 月%d 日 %d:%d:%d.%d ; Level:%d\n", le, fle, time.wYear.
time.wMonth, time.wDay, time.wHo
,
void savep(int le, int fle, int n, int k) {//将游戏存档入文件里
   char name[24];
    srand(time(NULL)):
    SYSTEMTIME t
   error = fopen_s(&fp, "/save.txt", "a"); //这里的返回值是,如果成功返回 0,如果不成功返回非 0
   if (fp)
       GetLocalTime(&time):
fcloseall();
```

```
typedef struct Computing//用于算式信息
             int numa;
             int bracket
             int x:
 {Computing;
Computing* CreaterComputing() {
             Computing* head = NULL. * end = NULL:
Computing* AddComputing(Computing* pt, int m) {
             int i = 0, a = 0, b = 0, c = 0, r = 0;
             Computing* p = pt, * t;

srand(time(NULL));

while (p->next! = NULL) {

p = p->next;
                 = (Computing*)malloc(sizeof(Computing));
             if(t) {
(case(0):p->numa = rand() % 10 + 1; p->numb = rand() % 10 + 1; p->bracket = 0; p->result = p->numa + p->numb; p->opera = 1; p->operb = -1; p->nume = 0; p->x = rand() % 70 * 10 + 50; p->y = 0; p->x = rand() % 7; break;
                         case(1):p->opera = rand() % 2;
                         case(1)p>-opera = rand() % (2;

if (p>-opera = 0) { p>-numa = rand() % 10 + 2;

else if (p>-opera = 1) { p>-numa = rand() % 10 + 1;

} p>-numb = rand() % 10 + 1;

} p>-numb = rand() % 10 + 1;

} p>-opera = 1;p>-nume = 0;

p>-yer = rand() % 70 * 10 + 50;

p>-yer = 0;p>-ye = rand() % 70;

if (p>-opera = 0) { p>-numa = rand() % 40 + 10;

else if (p>-opera = 1) { p>-numa = rand() % 40 + 10;

p>-numb = rand() % 40 + 10;

p>-numb = rand() % 40 + 10;
                                                                                                                                                                                                                                                                                                      p->result = p->numa - p->numb; }
p->result = p->numa
                                                                                                                                                                                                                                                                                                                   p->result = p->numa
                                      p>bracket = 0;
p>operb = -1; p>nume = 0;
p>x = rand() % 70 * 10 + 50;
p>y = 0;
p>co = rand() % 70 * 10 + 50;
p>y = 0;
p>co = rand() % 7;
(3)p>opera = rand() % 80 + 21;
p>numb = rand() % (p>numb = rand() % 90 + 10;
p>bracket = 0;
p>bracket = 0;
p->numb; }
                                                                                                                                                                                                                                                                                                                   break:
                                         p->operb = -1; p->numc = 0; p->x = rand() % 70 * 10 + 50; p->y = 0; p->co = rand() % 7;
                          case(4):p->opera = rand() % 5:
                                       (4)p->opera = rand() % );

(4)p->opera = mol () % (p->numa) + 1;

p->numb = rand() % (p->numa) + 1;

p->result = p->numa - p->numb;

p->result = p->numa - p->numb;

p->result = p->numa + p->numb;
                                        p->result = p->numa % p->numb; }
                                                                                                                                                                                                                                                                                                                                                       break;
                                                                                                                                                                                    \begin{split} & else \ if \ (p-sopera == 1) \ \{ \ p-snuma = rand() \ \% \ 990 + 10; p-snumb = rand() \ \% \ 990 + 10; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \ p-snumb = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ \% \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ \{ \ p-snuma = rand() \ 100 + 1; \\ & else \ if \ (p-sopera == 2) \ 
                                                                                                                                                                                                                                                                                                    p->result = p->numa + p->numb; }
p->result = p->numa *
                                        else if (p->opera == 3) { p->numb = rand() % 90 + 10; p->result = rand() % 9 + 1;
                                                                                                                                                                                                                                                                                        p->numa = p->result * p->numb; }
p->result = p->numa %
                                        else if (p->opera == 4) { p->numa = rand() % 990 + 10; p->numb = rand() % 28 + 2;
                                    p>bracket = 0; p>operb = -1; p>nume = 0;p>x= rand() % 70 * 10 + 50; p>y= 0; p>ce = rand() % 7; e(6)p>opera = rand() % 2; if (p>opera = 0) { p>numa = rand() % 80 + 20; p>numb = rand() % (p>numa - 20) + 10; p>result : p>operb = rand() % 2; p>numb = rand() % 99 + 1; p>result : p>operb = rand() % 2;
                                       p->numb; }
                                                             else if (p->opera == 1) { p->numa = rand() % 19 + 1; p->numb = rand() % 19 + 1;
                                                                                                                                                                                                                                                                                                                                p->result = p->numa +
p->numb; }
                                                             else if (p->opera == 2) { p->numa = rand() % 9 + 1; p->numb = rand() % 9 + 1;
  p->numb; }
                                                             else if (p->operb == 2 || p->operb == 3) {
                                                                         Sopech = 2 | p>opech = 3 |
Sopech = 2 | p>opech = 3 |
if (p>opech = 2) { p>numb = rand() % 9 + 1; p>numc = rand() % 9 + 1; p>result = p>numb * p>nume; }
else if (p>opech = 3) { p>result = rand() % 9 + 1; p>nume = rand() % 9 + 1; p>numb = p>result * p>num
if (p>opeca = 0) { p>numa = p>result * rand() % 9 + 1; p>nume = rand() % 9 + 1; p>num = p>result; }
else if (p>opera = 0) { p>numa = p>result; }
else if (p>opera = 1) { p>numa = rand() % 19 + 1; p>result = p>numa + p>result; }
            ease at (p>-opera == 2 || p>-opera == 3) {
            if (p>-opera == 2 && p>-operb == 2) { p>-numa = rand() % 9 + 1; p>-numb = rand() % 9 + 1; p>-nume = rand() % 9 + 1;
            csult = p>-numa * p>-numb * p>-nume = 3 && p>-operb == 3) { p>-numc = rand() % 9 + 1; p>-numb = rand() % 9 + 1; p>-result = rand() % 9 + 1;
            uma = p>-result * p>-numb * p>-nume; }
            uma = p>-result * p>-numb * p>-nume; }
                                                | p-bracket = 0; p->x = rand() % 70 * 10 + 50; p->y = 0; p->co = rand() % 7; break; p->opera = rand() % 4; p->operb = rand() % 2; bitle (p->opera * p->operb = 6) { p->opera = rand() % 4; p->operb = rand() % 2; if (p->operb = 1) { p->operb = 0} { p->numb = rand() % (p->operb = 1) { p->numb = rand() % (p->numb = rand() % (p->numb = rand() % (p->numb = rand() % (p->numa = 30) + 20; p->result = p->numa = -30 + 20; p->numb = rand() % (p->numb = ra
                          case(8): r
                                                               p->numb; }
                                                             else if (p->opera == 2) { p->numa = rand() % 90 + 10; p->numb = rand() % 90 + 10;
                                                                                                                                                                                                                                                                                                                                          p->result
                                                             else \ if \ (p \!\! > \!\! opera == 3) \ \{ \ p \!\! > \!\! numb = rand() \ \% \ 90 + 10; \quad p \!\! > \!\! result = rand() \ \% \ 70 + 30;
                                                                                                                                                                                                                                                                                                                                p->numa = p->result *
                                                             if (p->operb == 0) { p->numc = rand() % min((p->result - 20) + 15, int((rand() % 30 * 0.01 + 0.2) * p->result));
```

```
while (pt->next != NULL)
                                          else if (p->operb == 2 || p->operb == 3) {
                                                    if (p->opera == 0 || p->opera == 1) {
                                                                                                                                                                                                                                                                                                                                                                    pt = pt->next;
                                                               if (p->operb == 2) { p->numb = rand() % 90 + 10; p->numc = rand() % 90 + 10; p->result = p->numb * p->numc; }
                                                                a (p->port = 3) { p->result + rand() % 99+10; p->result + p->result; } clsc if (p->opera = 0) { p->result + rand() % 99+10; p->result + p->result + p->result; } clsc if (p->opera = 0) { p->numa = rand() % 99+10; p->result + p->result; } clsc if (p->opera = 1) { p->numa = rand() % 990+10; p->result = p->numa + p->result; }
                                                               if (p-opera == 2 && p-operb == 2) { p->numa = rand() % 90 + 1; p->numb = rand() % 99 + 1; p->numc = rand() % 99 + 1;
                                                                                                                                                                                                                                                                                                                                                          srand(time(NULL));
Computing* Cd;
                                                                                                                                                                                                                                                                                                                                                         Cd = CreaterComputing();
                                                                                                                                                                                                                                                                                                                                                         Cu - crearcompuning" (open Travelinthenaturalage.mp3 alias bkmusic0", NULL, 0, NULL);
mciSendSring("play bkmusic0", NULL, 0, NULL);
mciSendSring("play bkmusic0", NULL, 0, NULL);
BeginBatchDraw();
while (key != 27 && Error <= 3) {
                                       p->bracket = 0; p->x = rand() % 70 * 10 + 50; p->y = 0; p->co = rand() % 7;
                                                                                                                                                                                                                                                                                                                                                                   cleardevice();
                       t->_X = p->_X;
                                                                                                                                                                                                                                                                                                                                                                      out(Cd);
                      t->y = p->y;
t->next = NULL;
int _out(Computing *pt){
                                                                                                                                                                                                                                                                                                                                                                     Sleep(sleep);
           int i = 0;
                                                                                                                                                                                                                                                                                                                                                                     t+= sleep;
            settextstyle(28, 0, "微软雅黑"):
             int wi = 0, co = 0
             setbkmode(TRANSPARENT);
while (pt->next != NULL)
                      pt = pt->next;
                        wi = 0;
                      if (pt->operb == -1 && pt->numa < 10)wi = 75:
                      if (pt->opet) = -1 && pt->numa < 10)wi = 75;

desit (pt->opet = -1 && pt->numa < 10)wi = 90;

else if (pt->opet = -1)wi = 120;

desit ((pt->opet = -1)wi = 120;

desit ((pt->opet = 1 || pt->opet = 2 || pt->opet = 3 || pt->opet = 0) && pt->numa < 100) wi = 150;

desit ((pt->opet = 1 || pt->opet = 2 || pt->opet = 3 || pt->opet = 0) && pt->numa > 100) wi = 180;

if (wi > 0) (
                                                                                                                                                                                                                                                                                                                                                                     else if (point == 20 && level == 8) { Error = -5; }
                                                                                                                                                                                                                                                                                                                                                         mciSendString("close bkmusic0", NULL, 0, NULL);
if (level <= 7) return level;
                                switch (pt->co)
                                                                                                                                                                                                                                                                                                                                                         else if (point <= 20)return 8;
                                     ase(0):setfillcolor(RGB(192, 0, 0)); break;
                                                                                                                                             case(1):setfillcolor(RGB(198, 89, 17)); break;
           case(2):setfillcolor(RGB(191, 143, 0)); break;
case(3):setfillcolor(RGB(84, 130, 53)); break;
case(5):setfillcolor(RGB(47, 117, 181)); break;
case(5):setfillcolor(RGB(112, 48, 160)); break;
                                                                                                                                                           case(4):setfillcolor(RGB(51, 63, 79)); break;
                                   solidroundrect(pt->x - 20, pt->y - 3, pt->x + wi, pt->y + 32, 5, 5);
                                                                                                                                                                                                                                                                                                                                              typedef struct node0//用于 CardMaster 信息
                      3//就是背景了
                                                                                                                                                                                                                                                                                                                                                         int backcolour:
                        //***/**.cr 7% .1 settlinectyle(PS_SOLID, 2); settlinectyle(PS_DOT, 2); settlinestyle(PS_DOT, 2); settlinestyle(PS_DOT, 2); line(rand() % 675, rand() % 900, rand() % 675, rand() % 900); settlinestyle(PS_DOT, 2);
                                                                                                                                                                                                                                                                                                                                                         int coin;
int coincolour;
char letter;
         setimestyle(PS_DOT, 2); line(rand) % 675, rand) % 900, rand) % 675, rand) % 900);
i++;
if (pt>opera = 1 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 2 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 2 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 2 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 4 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 4 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 4 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb); pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 0 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 0 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -1) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -2) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -2) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 1 && pt>operb = -2) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 2 && pt>operb = -2) { sprint(s, T(*%d + %d*), pt>numa, pt>numb, pt>numb; outtexty(pt>x, pt>y, s); }
dise if (pt>opera = 3 && pt>operb = -1) { sprint(s, T(*%d + %d + %d*), pt>numa, pt>numb, pt
                                                                                                                                                                                                                                                                                                                                              int Cardmaster(int level) {
                                                                                                                                                                                                                                                                                                                                                         srand(time(NULL)):
                                                                                                                                                                                                                                                                                                                                                          int i, j, info[6] = { 9 }, t = 0;
                                                                                                                                                                                                                                                                                                                                                         Card card[800] = { 0 };
int cardcount = 0;//卡牌数量
float flashtime = 0, alflashtime = 0;
int cardshow = 0, f = 0;//展示时长
                                                                                                                                                                                                                                                                                                                                                                                                                          = 0;//流动时长、总时长
             setbkmode(OPAQUE);
           return 0;
                                                                                                                                                                                                                                                                                                                                                          //case(9):point = HardCardMaster(); return point; break;
  void remove(Computing* pt) {
                                                                                                                                                                                                                                                                                                                                                          default
                                                                                                                                                                                                                                                                                                                                                                                          break
           if (pt->next) {

Computing* p = pt->next, * t = NULL;
                                                                                                                                                                                                                                                                                                                                                         cleardevice();
for (i = 0; i < cardcount + 2; i++)
                      pt->next = p->next;
                      free(p);
                                                                                                                                                                                                                                                                                                                                                                    if (i == 0) info[3] = rand() % 5;
                                                                                                                                                                                                                                                                                                                                                                   \begin{split} & \text{it} \ (:=0) \ \text{int} \ (3] = \text{rand}() \ \% \ 5; \\ & \text{esk white} \ (\text{inf} \ 2) = \text{inf} \ (0] \ \text{inf} \ (3] = \text{rand}() \ \% \ 7; \\ & \text{white} \ (\text{inf} \ 4] = \text{inf} \ (1) \ \text{inf} \ (4] = \text{rand}() \ \% \ 5; \\ & \text{white} \ (\text{inf} \ 6] = \text{inf} \ (1) \ \text{inf} \ (4] = \text{rand}() \ \% \ 5; \\ & \text{itf} \ (\text{inf} \ 6] = \text{s.} \ \text{for} \ (j = 0, j < 6, j + ) \ \text{inf} \ (j] = 5; \\ & \text{inf} \ (0) = \text{inf} \ (3) : \\ & \text{inf} \ (1) = \text{inf} \ (4]; \\ & \text{inf} \ (2) = \text{inf} \ (3) : \\ & \text{s.} \end{aligned}
int correct(int* num, Computing* pt, int* Error, int* p) {
           t->next) {

if (pt->next->result == *num) {

*p = *p + 1; return GREE
                      else {
                                 *Error = *Error + 1: return RED:
                                                                                                                                                                                                                                                                                                                                                                     switch (info[0])
                                                                                                                                                                                                                                                                                                                                                                     {
    case(0):card[i].backcolour = RED; break;
    case(1):card[i].backcolour = BLUE; break;
    case(2):card[i].backcolour = GREEN; break;
            out(int *num,Computing *pt,int *Error,int *p,int *t,int le) {
setfillcolor(WHITE);
            solidrectangle(700, 615, 850, 665);
                                                                                                                                                                                                                                                                                                                                                                     case(3):card[i].backcolour = CYAN; break;
case(4):card[i].backcolour = MAGENTA; break;
            int x = WHITE:
          if (_kbhit())
                                                                                                                                                                                                                                                                                                                                                                     default:card[i].backcolour = BLACK: break:
                    key = _getch();
switch (key)
                                                                                                                                                                                                                                                                                                                                                                      card[i].coin = info[1];
                       case('1'):if (*num < 10000)*num = *num * 10 + 1; break;
                                                                                                                                                                                                                                                                                                                                                                     case(0):card[i].coincolour = RED; break;
                      case('2'):if (*num < 10000)*num = *num * 10 + 2; break;
                                                                                                                                                                                                                                                                                                                                                                     case(1):card[i].coincolour = BLUE; break
                      case('3'):if (*num < 10000)*num = *num * 10 + 3; break;
case('4'):if (*num < 10000)*num = *num * 10 + 4; break;
                                                                                                                                                                                                                                                                                                                                                                     case(2):card[i].coincolour = GREEN: break:
                                                                                                                                                                                                                                                                                                                                                                     case(3):card[i].coincolour = CYAN; break;
                      case(4):if (*num < 10000)*num = *num * 10 + 4; breat;

case(5):if (*num < 10000)*num = *num * 10 + 5; breat;

case(6):if (*num < 10000)*num = *num * 10 + 6; breat;

case(7):if (*num < 10000)*num = *num * 10 + 7; breat;

case(8):if (*num < 10000)*num = *num * 10 + 8; breat;

case(9):if (*num < 10000)*num = *num * 10 + 9; breat;
                                                                                                                                                                                                                                                                                                                                                                     case(4):card[i].coincolour = MAGENTA; break;
default:card[i].coincolour = BLACK; break;
                                                                                                                                                                                                                                                                                                                                                         for (j = 1; j < cardcount; j++) {
                       case('0'):if (*num < 10000)*num = *num * 10 + 0; break;
                                                                                                                                                                                                                                                                                                                                                                     switch (project) {
                       case('/'):*num *= -1: break
                                                                                                                                                                                                                                                                                                                                                                     case(0):if (card[i].backcolour == card[0].backcolour) project
                      case( ); "num '--1; oreas,
case(*); "num '-10; breas;
case(8); "num '-10; breas;
case(13);x=correct(num,pt,Error,p); "num = 0; remove(pt); return x; breas;
case(13);x=correct(num, pt, Error, p); "num = 0; remove(pt); return x; breas;
                                                                                                                                                                                                                                                                                                                                                                      case(1):if (card[j].coincolour == card[0].coincolour) projectcount++;
case(2):if (card[j].coin == card[0].coin) projectcount++; break;
                                                                                                                                                                                                                                                                                                                                                               ttextstyle(20, 0, _T("微软雅黑"));
                       case('s'):*p = *p + 2; break;
case('x'):*Error = -9; break;
                                                                                                                                                                                                                                                                                                                                                         for (i = 1; i < 5; i++) {
                                                                                                                                                                                                                                                                                                                                                                     switch (i)
            ) sprintf(s,_T("%d" %d"), *num, *p); outtextxy(720, 630, s); sprintf(s,_T("%d" %d"), *Error, *t); outtextxy(750, 20, s); sprintf(s,_T("%d"), le); outtextxy(20, 20, s);
                                                                                                                                                                                                                                                                                                                                                                                switch (project) {
void moveC(Computing *pt) {
```

```
int Computingmaster() {
int level = 0, Error = 0, t = 0, number = 0, point = 0, interval = 1000, sleep = 25, oo = YELLOW, m = YELLOW;
int* num = &number, * Er = &Error, * p = &point, * ti = &t;
                                            \label{eq:control_equation} \begin{split} & = \operatorname{out}(mm, \operatorname{Cd}, \operatorname{Er}, p, ti, \operatorname{level}); \\ & \text{if } (m = \operatorname{GREN} \parallel m = \operatorname{RED}) \mid co = m; \mid \operatorname{setfillcolor(co)}; \\ & \operatorname{solideirel}(\mathsf{k}|50, 640, 20); \quad \operatorname{moveC(Cd)}; \\ & \operatorname{if}(r \geq 250 \otimes \operatorname{Re} 45-\operatorname{met}) \mid \operatorname{if }(\operatorname{Cd} -\operatorname{met} - y) \geq -600) \mid \operatorname{remove(Cd)}; \operatorname{Error} + r; \mid \mid \operatorname{FlushBatchDraw}(); \end{split}
                                           \begin{array}{ll} t + = a \log , \\ \text{if (9 in terval = 0) } \left\{ \text{AddComputing(Cd, level); } \right\} \\ \text{if (point = 4 &\& level = 0) } \left\{ \text{level = 1; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 1000; sleep = 25; } \\ \text{else if (point = 6 &\& level = -1) } \left\{ \text{level = 2; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 2000; sleep = 50; } \\ \text{else if (point = 10 &\& level = -2) } \left\{ \text{level = 3; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 2000; sleep = 50; } \\ \text{else if (point = 10 &\& level = 3) } \left\{ \text{level = 4; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 2000; sleep = 40; } \\ \text{else if (point = 14 &\& level = 4) } \left\{ \text{level = 5; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 3000; sleep = 100; } \\ \text{else if (point = 14 &\& level = 0) } \left\{ \text{level = 6; t = 0; } \right. \\ \text{Error = 0; point = 0; interval = 3000; sleep = 100; } \\ \text{else if (point = 14 &\& level = 0) } \left\{ \text{level = 6; t = 0; } \right. \\ \text{Error = 2; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 5; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 5; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 5; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 5; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 5; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 6; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 6; point = 0; interval = 6000; sleep = 150; } \right\} \\ \text{else if (point = 16 &\& level = 7) } \left\{ \text{level = 8; t = 0; } \right. \\ \text{Error = 6; point = 0; interval = 1000; } \\ \text{Error = 6; point = 0; interval = 1000; } \\ \text{Error = 6; point = 0; 
  int project = rand() % 3, projectcount = 0, projectfinish = 0;//目标要求及数量,完项数量
  istAut: Gax1, Gax2, Gax3, Gax4, Gax5; loadimage(&Gax2, _T('Galaxy2.jpg")); loadimage(&Gax3, _T('Galaxy3.jpg")); loadimage(&Gax3, _T('Galaxy3.jpg")); loadimage(&Gax4, _T('Galaxy4.jpg")); loadimage(&Gax5, _T('Galaxy5.jpg")); setlinesty(FS_DOT, 5); switch (level)
                        case(1):cardcount = 120; flashtime = 10.0; cardshow = 5100; alflashtime = 3600; projectfinish = 4; break;
                    case(1)-zardcount = 120; flashtime = 1.00; cardshow = 5100; allfashtime = 3600; projectfinish = 4; break; 
case(3)-zardcount = 155; flashtime = 9.0; cardshow = 4800; allfashtime = 5400; projectfinish = 5; break; 
case(3)-zardcount = 200; flashtime = 8.0; cardshow = 4800; allfashtime = 5000; projectfinish = 6; break; 
case(5)-zardcount = 250; flashtime = 6.1; cardshow = 4300; allfashtime = 5000; projectfinish = 7; break; 
case(5)-zardcount = 320; flashtime = 6.1; cardshow = 3900; allfashtime = 6000; projectfinish = 11; break; 
case(5)-zardcount = 385; flashtime = 5.2; cardshow = 3600; allfashtime = 6000; projectfinish = 11; break; 
case(5)-zardcount = 480; flashtime = 4.2; cardshow = 3000; allfashtime = 6000; projectfinish = 12; break; 
case(8)-zardcount = 575; flashtime = 3.2; cardshow = 3000; allfashtime = 5000; projectfinish = 13; break; 
case(8)-zardcount = 4575; flashtime = 3.2; cardshow = 3000; allfashtime = 5000; projectfinish = 13; break;
                                                      ase(1):sprintf(s, _T("这里是你的第%d 项: 你的任务目标: *尽可能*选出所有(注意图案还是图案颜色) "),level); outtextxy(40, 10 + 25 * i, s);
                                                                    acse(0).sprintf(s, _T("与下面図形背景颜色相同的図形.3 秒后展示图形。 関形只展示%2f 秒。"), float(cardshow)/1000); break; case(1).sprintf(s, _T("与下面図形図来颜色相同的図形.3 秒后展示图形。 関形只展示%2f 秒。"), float(cardshow)/1000); break;
```

```
casc(2)sprintf(s、_T("与下面图形中图案相同的图形3 秒后展示图形。图形只展示%2f 秒。"), float(cardshow) / 1000); break;
casc(3)sprintf(s、_T("与下面图形背景与图案順色均相同的图形3 秒后展示图形。图形尺展示%2f 秒。"), float(cardshow) / 1000); break;
casc(4)sprintf(s、_T("与下面图形背景颜色与图案(非颜色)均相同的图形。3 秒后展示图形。图形只展示%2f 秒。"), float(cardshow)
                                                                                                                                                                                                                                                                                                                                                                                                                                case(12)sprintf(s_T("但错误的点击不会减少分数。游戏会随难度的提升而提升流动速度。若达到目标分数。")); break; case(13)sprintf(s_T("则此声的意能作为你的项目分数未达数则降低差相应等级。为保证于除混合均匀。")); break; case(14)sprintf(s_T("进入后灌精等一段时间进行十排混合。**请任细阅读各件,关注其中的关键词**")); break; case(15)sprintf(s_T("请做出你的选择。(任意继信继禁、Esc 提出的")); break;
/ 1000); break;
                                       case(5):sprintf(s, T("与下面图形图案及其颜色均相同的图形, 3 秒后展示图形, 图形只展示%.2f 秒。"), float(cardshow) / 1000); break;
                                         }outtextxy(40, 10 + 25 * i, s); Sleep(2000); break
                                                                                                                                                                                                                                                                                                                                                                                                                                   outtextxv(125, 10 + 25 * i, s):
                                       .5):
setfillcolor(card[0].backcolour);
solidroundrect(100, 140, 300, 340, 5, 5);
switch (card[0].coin)
                                                                                                                                                                                                                                                                                                                                                                                                                  \label{eq:condition} \begin{split} & key = getch(); \\ & if (key = '1') \ \{i = Computingmaster(); savep(2, 1, i); \ \} \\ & else if (key >= 'a' &\& key <= 'h') \ \{i = Cardmaster(key - 'a' + 1); savep(2, 2, i); \ \} \end{split}
                                       else i = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y 的 翻
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   实
solidpolygon(pts, 3); } break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             小
                                       default:
                          , purcas; cance(4)sprintfis__T("图案总数为%d, 符合要求的图案数量; %d, 选出其中的%d 个即算完项, 达到%d 个降档结算。(退出/Esc )"), cardcount, nt, projectount - projectfinish, projectount - 2 * projectfinish + 1);outtexty(40, 500, 3); break;
                                       }break;
                                                                                                                                                                                                                                                                                                                                                                                                         .....
                                                                                                                                                                                                                                                                                                                                                                                                      typedef struct snake//用于 Snack
                                                                                                                        ount - 2 * projectfinish + 1); outtextxy(40, 500, s); break
               f = rand() % 5:
             Sleep(cardshow);
                                                                                                                                                                                                                                                                                                                                                                                                                   int colour;
             cleardevice();
                                                                                                                                                                                                                                                                                                                                                                                                                   struct snake* next
               Sleep(2000);
float speed = 9 / flashtime;
BeginBatchDraw();
while (t<alflashtime) {
                                                                                                                                                                                                                                                                                                                                                                                                        .
typedef struct food//用于 Food
                                                                                                                                                                                                                                                                                                                                                                                                                   int y;
                          switch (f)
                                                                                                                                                                                                                                                                                                                                                                                                                   int p;
                                                                                                                                                                                                                                                                                                                                                                                                                    struct food* next;
                            case(1):putimage(225, 112, &Gax1); break
                          case(1):putimage(225, 112, &Gax2); break;
case(3):putimage(225, 112, &Gax2); break;
case(4):putimage(225, 112, &Gax3); break;
case(0):putimage(112, 0, &Gax5); break;
                                                                                                                                                                                                                                                                                                                                                                                                        Snake* CreateSnake(int lo) {
                                                                                                                                                                                                                                                                                                                                                                                                                   int i = 0;

srand(time(NULL));

Snake* head = NULL, * end = NULL, * p;

head = (Snake*)malloc(sizeof(Snake));
                          for (i = 1; i < cardcount+1; i++) {
                                                                                                                                                                                                                                                                                                                                                                                                                   for (i = 0; i < lo; i++) {
                                       setfillcolor(card[i].backcolour)
                                        solidroundrect(800 + 120 * ((i - 1) / 5) - speed * t, 50 + 120 * ((i - 1) % 5), 900 + 120 * ((i - 1) / 5) - speed * t, 150 + 120 * ((i - 1) % 5), 5, 5);
                                         switch (card[i].coin)
                                                                                                                                                                                                                                                                                                                                                                                                                                   p = (Snake*)malloc(sizeof(Snake));
                                        1 acsa(0)setfillcolor(card[i].coincolour); solidcircle(850 + 120 * ((i - 1) / 5) - speed * t, 100 + 120 * ((i - 1) % 5), 25); break; case(1)setfillcolor(card[i].coincolour); solidellipse(820 + 120 * ((i - 1) / 5) - speed * t, 80 + 120 * ((i - 1) % 5), 880 + 120 * ((i - 1) / 5) - ((i - 
                                                                                                                                                                                                                                                                                                                                                                                                                                            p->x = 450;
speed * t, 120 + 120 * ((i - 1) % 5)); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                              p->y = 300;
p->dir = rand() % 4 + 1;
                                         case(2):setfillcolor(card[i].coincolour); solidrectangle(820 + 120 * ((i - 1) / 5) - speed * t, 80 + 120 * ((i - 1) % 5), 880 + 120 * ((i - 1) / 5) -
                                                                                                                                                                                                                                                                                                                                                                                                                                              p->next = NULL;
switch (i % 2) {
case(0):p->colour = RED; break;
case(1):p->colour = GREEN; break;
 speed * t 120 ± 120 * ((i - 1) % 5)); break:
speca **, 1.20 ** 1.20 ** (1c **) % 5); retas; speca **, 1.20 ** (1c **) % 5), speca **, 1.20 ** ((i - 1) % 5), s, 1.20 ** ((i - 1) % 5), s, 1.20 ** ((i - 1) % 5), s, 1.20 ** ((i - 1) % 5), speca **, 1.20 ** ((i - 1) % 5), speca **, 1.20 ** ((i - 1) % 5), speca **, 1.20 ** ((i - 1) % 5), (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) % 5)); (850 ** 50 ** sqrt(3) / 3 ** 1.20 ** ((i - 1) / 5) ** speca **, 1.25 ** 1.20 ** ((i - 1) / 5) ** ((i
                                                                                                                                                                                                                                                                                                                                                                                                                                              if (i == 0) p->colour = BLUE;
                                       default:setlinecolor(card[i].coincolour); line(820 + 120 * ((i - 1) / 5) - speed * t, 70 + 120 * ((i - 1) % 5), 880 + 120 * ((i - 1) / 5) - speed * t,
                                                                                                                                                                                                                                                                                                                                                                                                                                              end->next = p;
130 + 120 * ((i - 1) % 5)); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                              end = p;
                          } psintif(s, _T("%d"),t); outtextxy(10, 2, s); peckmessage(&mouse, EM, MOUSE, 1); int and click = ((mouse, y - 50) / 120 + 1) + int((mouse, x + speed * t - 800) / 120) * 5; if (mouse message == WM_LBUTTONUP) {
                                                                                                                                                                                                                                                                                                                                                                                                       Snake* CreateWall(int n,int *w) {
                                                                                                                                                                                                                                                                                                                                                                                                                   int\ i=0,\ ix=0,\ iy=0,\ length=0,\ dir=0,\ odir=0;
                                      switch (project) {
case(0):if (card[cardclick].backcolour == card[0].backcolour) card[cardclick].coin = 9; break;
                                                                                                                                                                                                                                                                                                                                                                                                                    srand(time(NULL));
                                                                                                                                                                                                                                                                                                                                                                                                                  srand(time(NULL);

Snake* head = NULL, * end = NULL, * p;

head = (Snake*)malloc(sizeof(Snake));

end = head;

ix = rand() % 55 * 10 + 150;
                                       iy = rand() % 40 * 10 + 150;
                                       case(4):if (card[cardclick].backcolour == card[0].backcolour && card[cardclick].coin == card[0].coin) card[cardclick].coin = 9; break;
                                                                                                                                                                                                                                                                                                                                                                                                                       w = ix; *(w + 1) = iy;
                                                                                                                                                                                                                                                                                                                                                                                                                               \label{eq:continuous} \begin{split} &.\quad v,\,i \leq n;\,i++)\;\{\\ &p = (Snake^*)malloc(sizeof(Snake));\\ &if\,(p) \end{split}
                                        case(5):if (card[cardclick].coin == card[0].coin && card[cardclick].coincolour == card[0].coincolour) card[cardclick].coin = 9; break;
                                                                                                                                                                                                                                                                                                                                                                                                                   for (i = 0; i < n; i++) {
                           if (_kbhit()) {
                                     key = _getch();
if (key == 27)t = 9999;
                                                                                                                                                                                                                                                                                                                                                                                                                                              if (i \% 16 == 0) \ \{ \ dir = rand() \% \ 4 + 1; \ \}
                                                                                                                                                                                                                                                                                                                                                                                                                                           \begin{split} & \text{it} ( \text{ $^{\circ}$}, 15 = 0) \mid \text{dir = mad} () \% 4 + 1; \mid \\ & \text{if} ( \text{ $^{\circ}$}, 22 = 0) \mid \text{it} : + c_{\text{rand}} () \% 12 - 6) * 10; \text{iy} + c_{\text{rand}} () \% 12 - 6) * 10; \\ & \text{if} (\text{dir = })! \quad \text{ix} + 10; \quad p - x = ix; \quad p - y = y; \} \\ & \text{else if (dir = 2)} \mid \text{ix} = 10; \quad p - x = ix; \quad p - y = y; \} \\ & \text{else if (dir = 3)} \mid \text{iy} + 10; \quad p - x = ix; \quad p - y = y; \} \\ & \text{else if (dir = 3)} \mid \text{iy} + 10; \quad p - x = ix; \quad p - y = y; \} \\ & \text{else if (dir = 3)} \mid \text{iv} + 10; \quad p - x = ix; \quad p - y = y; \} \end{split}
                          FlushBatchDraw():
                          ridsindacin/Jawi,
if (level < 4)Sleep(10);
else Sleep(6);//尝试对抗系统卡顿问题,可能会比设计快不少
                                                                                                                                                                                                                                                                                                                                                                                                                                              p->dir = dir;
odir = dir;
                          cleardevice();
t += 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                               switch (i % 2) {
                                                                                                                                                                                                                                                                                                                                                                                                                                              case(0):p->colour = WHITE; break;
case(1):p->colour = RGB(117,117,117); break;
             for (i = 0; i \le cardcount; i++) {
                         if (card[i].coin == 9)
point++;
                                                                                                                                                                                                                                                                                                                                                                                                                                               if (i == 0) p->colour = BLUE;
            1
sprintf(s_T("%d%d "%d%d"), point, projectoount,projectoount - projectfinish, projectoount - 2 * projectfinish + 1); outtextxy(10, 22, s);
if (point >= projectcount - 2 * projectfinish + 1) i = level;
else if (point >= projectcount - 2 * projectfinish + 1) i = level - 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                            end->next = p;
end = p;
              else i = max(level - 5, 0):
             EndBatchDraw():
             if (t < 8000)Sleep(5000);
return i;
                                                                                                                                                                                                                                                                                                                                                                                                                    return head
     Food* head = NULL, * end = NULL, * p;
int centregame() {
setbkcolor(RGB(154, 110, 137));
                                                                                                                                                                                                                                                                                                                                                                                                                    srand(time(NULL)):
             cleardevice():
                                                                                                                                                                                                                                                                                                                                                                                                                   head = (Food*)malloc(sizeof(Food));
              srand(time(NULL));
                                                                                                                                                                                                                                                                                                                                                                                                                   end = (Pool ')inanoc(sizeo)(
end = head;
if (n == 0) {
    for (i = 0; i < 14; i++) {
               int i;
IMAGE Gax1, Gax2, Gax3, Gax4, Gax5;
                                                                                                                                                                                                                                                                                                                                                                                                                                            p = (Food*)malloc(sizeof(Food));
if (p)
  Instruct Gart, Gazc, Gaz
            i = 0;
             switch (i)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          if (i < 3) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                >x = rand() % 40 * 10 + 50:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       p->x = rand() % 40 * 10 + 50
p->y = rand() % 30 * 10 + 50
             (asse(1):putimage(225, 112, &Gax1); break;
case(2):putimage(225, 112, &Gax2); break;
case(3):putimage(225, 112, &Gax3); break;
case(4):putimage(225, 112, &Gax4); break;
             case(0):putimage(112, 0, &Gax5); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        p->y = rand() % 30 * 10 + 50;
             }
settextstyle(20, 0, _T("微软雅黑"));
for (i = 1; i < 16; i++) {
    switch (i)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            else if (i < 9) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       p->x = rand() % 40 * 10 + 50;
p->y = rand() % 30 * 10 + 350;
                        p->x = rand() % 40 * 10 + 450;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        p->v = rand() % 30 * 10 + 350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            p->p = 1;
p->next = NULL;
end->next = p;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           end = p;
```

```
lse if (key == 'w' && pt->dir != 3)pt->dir = 4;
                               p = (Food*)malloc(sizeof(Food));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      else if (key == 'c')Changecolour(pt)
                               if (p)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         switch (pt->dir) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      case(1):pt->x += 10; break;
case(2):pt->x -= 10; break;
case(3):pt->y += 10; break;
case(4):pt->y -= 10; break;
                                             p->x = rand() % 80 * 10 + 50;
                                            p->y = rand() % 80 * 10 + 50
p->y = rand() % 60 * 10 + 50
p->p = 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        x = pt->x;
                               end->next = p;
                              end = p;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         while (pt->next != NULL)
                   return head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   pt = pt->next

a = pt->x;

b = pt->y;

pt->x = x;

pt->y = y;

x = a;

y = b;
                 while (pt->next != NULL)
                               pt = pt->next;
                                     etfillcolor(pt->colour);
                                 solidcircle(pt->x, pt->y, 10);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ,int Knock(Snake* pt,Snake *k) {//pt 为蛇头地址,k 为禁止撞击点地址(墙头地址/蛇头地址)
  int out(Food* fd)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Snake* body, * head = pt->next;/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      int i = 0;
                while (fd->next != NULL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        body = k->next
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         while (body->next != NULL)
                             \begin{split} & \text{fd} = \text{fd->next;} \\ & \text{if (fd->p = 1)setfillcolor(BROWN);} \\ & \text{else if (fd->p = -1) setfillcolor(YELLOW);} \\ & \text{else if (fd->p = 2) setfillcolor(BLUE);} \\ & \text{else setfillcolor(MAGENTA);} \end{split}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   body = body -> next; \\ if (body -> x == head -> x \&\& body -> y == head -> y) \ i = 1; \\
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (body->x == head->x && body->y == head->y) i = 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if (head->y > 1075 || head->y < -300 || head->x>1200 || head->x < -300) i = 9;
                                 solidcircle(fd->x, fd->y, 15)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      if ( kbhit()) {
  void Change(Snake* pt, int n, int m) {
                Snake* k = pt->next;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return i;
                 int i = 0;
                if (n == -1) {
                               setfillcolor(RGB(22, 97, 65)); solidcircle(20, 20, 10);
                                                                                                                                                                                                        setfillcolor(RGB(111, 152, 40)); solidcircle(20, 35, 10); setfillcolor(RGB(22, 97, 65));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Snake* Createsnake(Snake* pt) {
setfillolor(RGB(22, 97, 65)); solideirole(20, 20, 10); setfillolor(RGB(22, 97, 65)); solideirole(20, 35, 10); setfillolor(RGB(22, 97, 65)); solideirole(20, 35, 10); setfillolor(RGB(22, 97, 65)); solideirole(45, 20, 10); setfillolor(RGB(23, 71, 140)); solideirole(45, 20, 10); setfillolor(RGB(122, 20)); solideirole(70, 20, 10); setfillolor(RGB(122, 67, 1)); solideirole(70, 35, 10); setfillolor(RGB(122, 24, 27)); solideirole(70, 50, 10); setfillolor(RGB(122, 67, 1)); solideirole(70, 50, 10); setfillo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      int i = 0;

Snake* p = pt, * t;

while (p->next != NULL) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    p = p->next;
                               setfillcolor(RGB(234, 224, 145)); solidcircle(95, 20, 10); setfillcolor(RGB(152, 134, 138)); solidcircle(95, 35, 10); setfillcolor(RGB(234, 224, 145));
= (Snake*)malloc(sizeof(Snake)):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    p->next = t;
if (p->colour == BLUE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else t->colour = BLUE;
t->x = p->x;
 221)); solidcircle(170, 50, 10); setfillcolor(RGB(104, 116, 171)); solidcircle(170, 65, 10);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t->y = p->y;
t->next = NULL;
                                 setfillcolor(RGB(230, 128, 178)); solidcircle(195, 20, 10); setfillcolor(RGB(226, 22, 87)); solidcircle(195, 35, 10); setfillcolor(RGB(230, 128, 178));
scrillolor(RGB(230, 128, 178)), solidicirel(195, 20, 10); scrillolor(RGB(226, 22, 87)); solidicirel(195, 35, 10); scrillolor(RGB(230, 128, 178)); solidicirel(195, 35, 10); scrillolor(RGB(230, 128, 178)); solidicirel(195, 35, 10); scrillolor(RGB(217, 220, 215)); solidicirel(220, 50, 10); scrillolor(RGB(217, 220, 215)); solidicirel(245, 50, 10); scrillolor(RGB(217, 216, 256)); solidicirel(245, 50, 10); scrillolor(RGB(217, 176, 256)); solidicirel(245, 256, 10); scrillolor(R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        void remove(Food* re, Food* fd) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Food* p = fd;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      while (p->next != re) {
                               FlushBatchDraw();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 p = p->next;
                   y
while (n != -1 && i < 50 && k->next != NULL) {
                               case(1):if (i % 2 == 0)k->colour = RGB(22, 97, 65);
                                                                                                                                                                                                        else k->colour = RGB(111, 152, 40); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       int eat(Snake* pt, Food* fd) {
                               case(2):if (i % 2 == 0)k->colour = RGB(193, 176, 6); else k->colour = RGB(236, 71, 140); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Snake* head = pt->next
                                 case(3):if (i % 2 == 0)k->colour = RGB(173, 224, 227); else k->colour = RGB(122, 67, 1); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Food* f = fd;
                              casc[3]:rf (% 2 = 0)k-coolour = RGB[173, 224, 227);clie k-colour = RGB[123, 244, 138); break;
casc[5]:rf (% 2 = 0)k-coolour = RGB[241, 224, 145);clie k-colour = RGB[123, 134, 138); break;
casc[5]:rf (% 2 = 0)k-coolour = RGB[263, 214, 138); break;
casc[6]:rf (% 2 = 0)k-colour = RGB[233, 212, 176;clie k-colour = RGB[213, 146, 138); break;
casc[6]:rf (% 2 = 0)k-colour = RGB[233, 212, 176;clie k-colour = RGB[253, 250, 211); break;
casc[8]:rf (% 2 = 0)k-colour = RGB[253, 212, 211); clie k-colour = RGB[263, 273; break;
casc[8]:rf (% 2 = 0)k-colour = RGB[213, 220, 215]; clie k-colour = RGB[262, 22, 873; break;
casc[9]:rf (% 2 = 0)k-colour = RGB[213, 220, 215]; clie k-colour = RGB[218, 83, 174]; break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        while (f->next != NULL) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    f = f->next;

if (abs(head->x - f->x) < 20 && abs(head->y - f->y) < 20) {

----(f-6t) hreak;
                                 case(10):if (i % 2 == 0)k->colour = RGB(228, 65, 49); else k->colour = RGB(72, 176, 236); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return no
                   y
while (n != 1 && k⇒next != NULL) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          void Addfood(Food* fd. int k. int m.int *w1.int *w2) {
                               k = k - next
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      int \ i=0; Food*\ p=fd,*\ t;
                               switch (m) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        srand(time(NULL)):
                                 case(1):if (i % 2 == 0)k->colour = RGB(22, 97, 65);
                                                                                                                                                                                                     else k->colour = RGB(111, 152, 40); break
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      while (p->next != NULL) {
                               case(1)if (% 2 = 0)k->colour = RGB(22, 97, 6.5);
else k->colour = RGB(11, 152, 40); break;
ease(3)if (% 2 = 0)k->colour = RGB(13, 176, 6);
else k->colour = RGB(23, 71, 140); break;
ease(3)if (i % 2 = 0)k->colour = RGB(173, 224, 227);else k->colour = RGB(122, 67, 1); break;
ease(4)if (i % 2 = 0)k->colour = RGB(234, 224, 145);else k->colour = RGB(123, 134, 138); break;
ease(5)if (i % 2 = 0)k->colour = RGB(23, 68, 33);
else k->colour = RGB(213, 35); break;
ease(6)if (i % 2 = 0)k->colour = RGB(233, 212, 176);else k->colour = RGB(255, 250, 211); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   p = p->next;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \begin{array}{c} \text{if } (m == 0) \; \{ \\ \text{for } (i = 0; \, i < k; \, i + +) \; \{ \end{array} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    t = (Food*)malloc(sizeof(Food));
                               case(7):if (i % 2 == 0)k->colour = RGB(175, 219, 221); else k->colour = RGB(104, 116, 171); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if(t) {
                               casc(8):if (% 2 = 0)k->colour = RGB(230, 128, 178); clsc k->colour = RGB(226, 22, 87); break; casc(9):if (i % 2 = 0)k->colour = RGB(217, 220, 215); clsc k->colour = RGB(181, 188, 174); break; casc(10):if (i % 2 = 0)k->colour = RGB(228, 65, 49); clsc k->colour = RGB(72, 176, 236); break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (i < k / 4 - 1) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t->x = rand() % 40 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t->v = rand() % 30 * 10 + 50:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else if (i < k / 2 - 1) {
t->x = rand() % 40 * 10 + 450;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t->y = rand() % 30 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else if (i < k * 3 / 4 - 1) {
  void Changecolour(Snake* pt) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t->x = rand() % 40 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t->v = rand() % 30 * 10 + 350;
               int n;

int m = 0, n = 0;

Change(pt, -1, 0);

key = _getch();

switch (key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      else if (i < k - 1) {
t->x = rand() % 40 * 10 + 450;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t->y = rand() % 30 * 10 + 350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  t->x = rand() % 80 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t->y = rand() % 60 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     t->p = 2;
                 case('a'):m = 1; break; case('w'):m = 2; break; case('e'):m = 3; break; case('r'):m = 4; break; case('t'):m = 5; break;
               case('a'):m = 6; break; case('b'):m = 7; break; case('f'):m = 8; break; case('a'):m = 9; break; case('p'):m = 10; break; case('a'):m = 11; break; case('a'):m = 12; break; case('a'):m = 13; break; case('a'):m = 14; break; case('a'):m = 15; break; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      while (abs(t->x - *w1) < 10 || abs(t->y - *(w1 + 1)) < 10 || abs(t->x - *w2) < 10 || abs(t->y - *(w2 + 1)) < 10) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    if (i < k / 4 - 1) {
t->x = rand() % 40 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          t->v = rand() % 30 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  else if (i < k / 2 - 1) {
t->x = rand() % 40 * 10 + 450;
                switch(key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           t->y = rand() % 30 * 10 + 50;
                   case('o'):n = 1; break; case('w'):n = 2; break; case('e'):n = 3; break; case('r'):n = 4; break; case('t'):n = 5; break;
                case('y'): n = 6; break; case('y'): n = 7; break; case('y'): n = 8; break; case('y'): n = 9; break; case('p'): n = 10; break; case('a'): n = 11; break; case('a'): n = 11; break; case('a'): n = 12; break; case('a'): n = 12; break; case('a'): n = 13; break; case(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     else if (i < k * 3 / 4 - 1) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   t->x = rand() % 40 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t->v = rand() % 30 * 10 + 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else if (i < k - 1) {
t->x = rand() % 40 * 10 + 450;
                Change(pt, m, n);
FlushBatchDraw();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t->v = rand() % 30 * 10 + 350
  void move(Snake* pt) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    else {
                 srand(time(NULL)):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   t->x = rand() % 80 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            t->v = rand() % 60 * 10 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t->p = 2;
                int x = 0, y = 0, a = 0, b = 0;
                pt = pt->next;
if (_kbhit()) {
                                \begin{split} key &= \_getch(); \\ if (key &== 'd' \&\& \ pt->dir \ != \ 2)pt->dir \ = \ 1; \end{split} 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     t->next = NULL;
                               else if (key == 'a' && pt->dir != 1)pt->dir = 2;
else if (key == 's' && pt->dir != 4)pt->dir = 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     p->next = t;
```

```
//星星结构体内部的链表 存的是其他星星结构体的地址
                                                                                                                                                                                                                                                                                                              typedef struct _LinkNode {
           else if (m == 1) {
                     t = (Food*)malloc(sizeof(Food));
                                                                                                                                                                                                                                                                                                                        struct _LinkNode* prev; //上一个星星里 node 的地址
struct _LinkNode* next; //下一个星星里 node 的地址
                     if (t) {
                               for (i = 0: i < k: i++) {
                                      (1 = 0; 1 < k; 1 + +)  {

t > x = rand() % 80 * 10 + 50;

t > y = rand() % 60 * 10 + 50;

t > p = -1;
                                                                                                                                                                                                                                                                                                              //星星结构体
typedef struct {
                                                                                                                                                                                                                                                                                                                        int y;
                      t->next = NULL;
                                                                                                                                                                                                                                                                                                                        unsigned int radius
                                                                                                                                                                                                                                                                                                                        int status://上面利用宏定义了 6 种状态
                                                                                                                                                                                                                                                                                                                        int step;
int color;
_LinkNode node;
                     for (i = 0; i \le k; i++) {
                                                                                                                                                                                                                                                                                                              }_STAR;
//初始化星星首节点
                               t = (Food*)malloc(sizeof(Food));
                                                                                                                                                                                                                                                                                                             bool starfnit(_STAR*& L_star) {
    L_star = (_STAR*)malloc(sizeof(_STAR)); //开空间
    if(!L_star) {
        return false;
                              if (t) {
                                        t->x = rand() % 80 * 10 ± 50
                                      t->y = rand() % 60 * 10 + 50
t->p = 10;
                                                                                                                                                                                                                                                                                                                          }
//不初始化星星属性//这里是首节点
                               t->next = NULL;
                             p->next = t;
                                                                                                                                                                                                                                                                                                                        L_star->node.next = NULL;
L_star->node.prev = NULL;
                             p = t;
                 }
                                                                                                                                                                                                                                                                                                               //初始42世世田的屋供
                                                                                                                                                                                                                                                                                                                void initStar(_STAR*& p) {
int Greedysnake() {
                                                                                                                                                                                                                                                                                                                       if (!p) {
           Snake* pt = NULL, * walla = NULL, * wallb = NULL;
                                                                                                                                                                                                                                                                                                                                  return
Snake* pt = NULL, * walla = NULL, * usalla = NULL;
Food* fid = NULL, * uspec of NULL;
int i = 1, m = 0, t = 0, point = 1, level = 0, lo = 50, inter = 0, k = 13, wal [2] = { 0 }, wa2 [2] = { 0 }, usp = 0, ust = 0;
// in 计数据: tiplin, point = 16 pc;
// in it 数据: tiplin, point = 16 pc;
// bc, us 提升速度发展时间。
int* wl = &val [0], * w2 = &va2 [0];
// in tiplin = 0, wal 
                                                                                                                                                                                                                                                                                                                         p->x = rand() % 850 + 50;
                                                                                                                                                                                                                                                                                                                                                                                                                    //50 - 850
                                                                                                                                                                                                                                                                                                                       p->x = rand() % 850 + 50;

p->y = rand() % 610 + 30;

p->radius = rand() % MAX_RADIUS + 2;

p->status = int((rand() % 25 + 1) / 3);

p->step = rand() % MAX_STEP + 1;

int rgb = 255 * p->step / MAX_STEP;
                                                                                                                                                                                                                                                                                                                                                                                                                    //30-640
                                                                                                                                                                                                                                                                                                                                                                                                                    //状态 0~8(rand%25+1[→1-26])/3[→0-8]
//步长 1-9
          pt = CreateSnake(lo);
fd = Createfood(0);
                                                                                                                                                                                                                                                                                                                                                                                                                             //颜色
           upspeed = Createfood(1);
                                                                                                                                                                                                                                                                                                                        \begin{aligned} \text{p->color} &= RGB(rgb, rgb, rgb); \\ \text{//if} \ &(\text{p->status} == 0) \ \text{p->color} = RGB(253, 231, 4); \end{aligned}
         upspeed = Createfood(1);
BeginBatchDraw();
settextstyle(12, 0, "黑体");
while (i) {
cleardevice();//清屏
_out(pt)://室绘制
_out(fd)://食物绘制
                                                                                                                                                                                                                                                                                                             //添加链表(头插法)
bool linkInsert_front(_LinkNode* L, _LinkNode* node) {
                                                                                                                                                                                                                                                                                                                        //L:首个星星里 node 地址
                      if(upspeed) out(upspeed);/临时速度增益绘制
                    //node:添加星星里 node 地址
                                                                                                                                                                                                                                                                                                                        if (IL. I !node) {
                                                                                                                                                                                                                                                                                                                        if (L->next) {
int(sqrt(2 * level + 1));
                             if (ust >= (3000 + 250 * level) * (int(level / 3.0) * 0.5 + 1)) { ust = <math>(3000 + 250 * level) * (int(level / 3.0) * 0.5 + 1); }
                     }//临时速度增益拾取
                                                                                                                                                                                                                                                                                                                          node->next = L->next;
                    node>prev = L;
L->next = node;
return true;
                                                                                                                                                                                                                                                                                                              bool linkInsert back( LinkNode* L, LinkNode* node) {
           outtextxy(10, 10, s);//监控面板
                    xtxy(10, 10, s)/温程面数

| FlushBathDraw0;
| Sleep(10000 / (150 + 20 * level + point + usp))/游戏时长

t += 10000 / (150 + 20 * level + point + usp); /游戏时长

inter++//非何问篇

if (inter % 240 == 0) { pt = Createsnake(pt); lo++; }/验长增加(按移动距离)

if (point > 0 && point >= (k + 1) && point != 0) //升级
                                                                                                                                                                                                                                                                                                                      if (!L || !node) {
                                                                                                                                                                                                                                                                                                                         _LinkNode* last = L;
//找到最后一个的地址
                                                                                                                                                                                                                                                                                                                        while (last->next) {
                                                                                                                                                                                                                                                                                                                                 last = last->next
                              if (inter < 240 * level + 240) { level += 2; Addfood(fd, 2, 1, w1, w2); }
                                                                                                                                                                                                                                                                                                                          node->next = NULL:
                    else level \leftarrow 1; if (level < 0, k = 13; else if (level < 18) k = 10 + level; else k = level * int(level < 8)/k 值计算 if (level < 9) k = 0 (k = 2 = 0) walla = CreateWall(k + 6 * level, w)], k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k = k
                                                                                                                                                                                                                                                                                                                       node->next = NOI
node->prev = last;
last->next = node;
return true;
                     ;
if (usp > 0 && i > -2) { i = 1; inter--; }//临时速度增益期间半无敌(不免疫边界溢出)且不增加长度
if (i < 0) i = 0://退出(防溢出)
                                                                                                                                                                                                                                                                                                              void starDisplay( STAR*& L star) {
                                                                                                                                                                                                                                                                                                                      if (!L_star || !L_star->node.next) {
return;
           FndBatchDraw():
                                                                                                                                                                                                                                                                                                                          ;
//指向第一个链表节点
           Sleep(2000);
           if (level > 18)level = 18
                                                                                                                                                                                                                                                                                                                          _LinkNode* p = L_star->node.next;
//查看距离的_STAR 头的位置
           if (level < 0)level = 0;
           if (level <= 1)return level:
                                                                                                                                                                                                                                                                                                                         int offset = offsetof( STAR, node);
                                                                                                                                                                                                                                                                                                                        else iff level \leq 13) return int(level /2 + 1):
            else { switch (level) { case(14):return 7; break; case(15):return 8; break; case(16):return 8; break; case(17):return 8; break; case(18):return 9;
    int Vestibularbackyard() {
          int point = 0:
                                                                                                                                                                                                                                                                                                                                  p = p->next;
           IMAGE bk:
           loadimage(&bk, _T("bk3.jpg"));
putimage(0, 0, &bk);
int i;
            .....,
settextstyle(20, 0, "微软雅黑"):
           cleardevice();
for (i = 1; i < 10; i++) {
                                                                                                                                                                                                                                                                                                                      if(!L_star || !L_star->node.next) {
    return;
                     switch (i)
                                                                                                                                                                                                                                                                                                                        }
//指向第一个星星
_LinkNode* p = L_star>node.next;
//查看距离的_STAR 头的位置
int offset = offsetof(_STAR, node);
                    while (p) {
_STAR* tmp = (_STAR*)((size_t)p - offset);
                                                                                                                                                                                                                                                                                                                                  //擦除原来位置的星星
setfillcolor(BLACK);
                                                                                                                                                                                                                                                                                                                         selfileOld(ELACK);
solidcircle(tmp->x, tmp->y, tmp->radius);
//判断移动状态.通过步长移动坐标
//默认都是 UP
现)"); break;
case(%)sprintf(s,__T(*黄色食物-1 分(从第 4 关出现),白灰相间的为墙体(从第一关开始出现,撞击肩失败)"); break;
case(%)sprintf(s,__T(*紫色加速道具(自第 1 关出现)短暂的投升移速、停止增长、期间无敌、按 c 变色,左上角预览并用对应数字下方的
字母选择。"); break;
                                                                                                                                                                                                                                                                                                                                  switch (tmp->status) {
                                                                                                                                                                                                                                                                                                                                  case UP:
                                                                                                                                                                                                                                                                                                                                            tmp->y = tmp->step;
if (tmp->y <= 0) tmp->y = HEIGHT;
                      outtextxv(40, 10 + 25 * i, s):
                                                                                                                                                                                                                                                                                                                                    case DOWN:
           key = _getch();
switch (key)
                                                                                                                                                                                                                                                                                                                                             \begin{split} &tmp{>}y \mathrel{+}= tmp{-}{>}step;\\ &if(tmp{-}{>}y \mathrel{>}= HEIGHT) \quad tmp{-}{>}y = 0; \end{split}
            //case('1'):point = Dessertparty(); break;
           case('2'):point = Greedysnake(); savep(3, 2, point); break;
default:break;
                                                                                                                                                                                                                                                                                                                                  case LEFT:
                                                                                                                                                                                                                                                                                                                                            tmp->x = tmp->step;
if (tmp->x <= 0) tmp->x = WIDTH;
break;
                                                                                                                                           小 y 的 前 庭 后 院 绘 制 结
                                                                                                                                                                                                                                                                                                                                             \begin{split} tmp->&x \mathrel{+=} tmp->&step;\\ if (tmp->&x \mathrel{>=} WIDTH) \quad tmp->&x \mathrel{=} 0; \end{split}
                                                                                                                                            小
                                                                                                                                                                          的 前 庭
                                                                                                                                                                                                                     后
                                                                                                                                                                                                                                  院
                                                                                                                                                                                                                                                绘 制 结
                                                                                                                                                         у
```

```
\begin{split} tmp->x &+= tmp-> step;\\ if (tmp->x &>= WIDTH) \quad tmp->x &= 0; \end{split}
                                                                    tmp->y += tmp->step;
if (tmp->y >= HEIGHT) tmp->y = 0; break;
                   tmp->x += tmp->step
                    if (tmp->x>=WIDTH) \quad tmp->x=0; \\
                                                                     if (tmp->y <= 0) tmp->y = HEIGHT; break
                   tmp->x -= tmp->step;
if (tmp->x <= 0) tmp->x = WIDTH;
                                                                    tmp->y += tmp->step;
if (tmp->y >= HEIGHT) tmp->y = 0; break
                 tmp->x -= tmp->step;
if (tmp->x <= 0) tmp->x = WIDTH;
                                                                      tmp->y = tmp->step;
                                                                    if (tmp->y <= 0) tmp->y = HEIGHT; break;
            default:
                  break
              ,
/绘制新位置图像
             setfillcolor(tmp->color);
             solidcircle(tmp->x, tmp->y, tmp->radius);
//遍历到下一个星星的 node 地址
            p = p->next;
int ending(int n) {
       STAR star;
      if (n <= 1) mciSendString("open Allthoughtsarestars.mp3 alias bkmusic", NULL, 0, NULL);
      in (n = 1) inclosed and ing open running means a mass a masse (NOLL), (NOLL), else if (n = 2) mciSendString("open Makeaflowerfire.mp3 alias bkmusic", NULL, 0, NULL); mciSendString("play bkmusic", NULL, 0, NULL); // 仅播放一次
      meistenostringt pasp omnisse; Null., 0, Null.); // (以提版一次)
ints_fime=0, 1 = 0;
star.color = YELLOW;
star.node_next = Null.; star.node_prev = Null.; star.radius = 5; star.status = 12; star.step = 3; star.x = 300; star.y = 300;
      cleardevice();
//首星星的结构体指针
       _STAR* L_star = NULL;
//存其他的添加的星星结构体
       _STAR* s_star = NULL;
//初始化星星首节点
      starInit(L_star);
//添加 MAX_STAR 个星星
      for (int i = 0; i < MAX_STAR; i++) {
            s star = ( STAR*)malloc(sizeof( STAR));
             //初始化分配空间里的星星各个属性
             initStar(s_star);
//分配星星里 node 的链表,形成双向链表[后插法]
     HWND hwnd = GetHWnd();
      //显示星空
      starDisplay(L_star);
//星星不断移动
       for (int i=1;\,i<9;\,i+\!\!+\!\!) {
                         switch (i)
                        if (i <= 5)outtextxy(40, 10 + 40 * i, s);
else outtextxy(500, 10 + 40 * i, s);
                   settextstyle(12, 0, "微软雅黑");
            Sleep(50);
setfillcolor(BLACK)
            \frac{16 \text{ (rand) (9 LACAs)}}{16 \text{ (rand) (9 (100 = 0) { s time} + 500; star.x = rand) (9 800 + 50; star.y = rand) (9 575 + 50; }}{16 \text{ (s_time} > 0) { setfilleolor(star.color); solideircle(star.x, star.y, star.radius); s_time = 50; }}
            if (t < 20000 * n)sprintf(s, T("%d/%d"), t, 20000 * n);
            else sprintf(s, _T("%d/%d, Press ESC to exit"), t, 210000 * n - 120000); if (t == 60000)cleardevice();
            outextxy(0, 0, s);

if ( kbhit()) { key = _getch(); if (key == 27 && t >= 20000 * n) { mciSendString("close bkmusic", NULL, 0, NULL); return t; } }
       mciSendString("close bkmusic", NULL, 0, NULL); // 先把前面一次的音乐关闭
      return t:
 typedef struct clocktime
      int houre;
      int minutec
      int seconde
      int inter;
      int type:
     int jump;
struct clocktime* next;
Clocktime* CreatingClocktime() {
setlinecolor(WHITE);
      Clocktime* head = NULL, * end = NULL, * p;
      head = (Clocktime*)malloc(sizeof(Clocktime))
      srand(time(NULL)):
      end = head;
for (i = 0; i < 48; i++) {
            p = (Clocktime*)malloc(sizeof(Clocktime));
                 if (i != 20) {
                        -- 20) {
    p->houre = rand() % 12;
    p->minutec = rand() % 60;
    p->seconde = rand() % 60;
    p->hour = p->houre; p->minutec = p->houre;
                                                           te = p->minutec; p->second = p->sec
                         p->number = i;
                         p->inter = rand() % 7 * 100 + 700;
                         p->type = rand() % 5 + 1;
                         p->jump = rand() % 100 * 10;
p->next = NULL;
                        p->hour = 0; p->minute = 0; p->second = 0; p->number = i; p->type = 1; p->inter = 1000; p->jump == 0; p->next = NULL;
```

```
end = p;
                         return head;
     int _out(Clocktime* pt,int *t)
                                      ettextstyle(18, 0, "微软雅黑");
                         while (pt->next != NULL)
if (pt-vppc = 1) {
    circle(pt->number % 8 * 100 + 100, int(pt->number / 8) * 100 + 100, 50);
    setlinestyle(PS_SOLID, 2);
    line(pt->number % 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 45 * sin(pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100, pt->number / 8 * 100 + 100 + 100, pt->number / 8 * 100 + 100, pt->number / 8
                                               else if (pt->type == 2) {
settextstyle(24, 0, "微软雅黑");
                                                                     sprintf(s, T("%02d:%02d:%02d"), pt->hour, pt->minute, pt->second):
                                                                         outtextxy(pt->number % 8 * 100 + 65, int(pt->number / 8) * 100 + 100, s);
   ciscle(pt->upne == 5) {
ciscle(pt->unmber % 8 * 100 + 100 + 15 * cos(pt->hour * PI / 6 + pt->minute * PI / 360 - PI / 2), pt->number / 8 * 100 + 100 + 15 * sin(pt->hour * PI / 6 + pt->minute * PI / 360 - PI / 2), pt->number / 8 * 100 + 100 + 10 * 15 * sin(pt->hour * PI / 6 + pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * cos(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 30 * sin(pt->minute * PI / 30
 2), 8);
                                                                     circle(pt->number % 8 * 100 + 100 + 45 * cos(pt->second * PI / 30 - PI / 2), pt->number / 8 * 100 + 100 + 45 * sin(pt->second * PI / 30 - PI /
 2), 6);
 | clse if (pt>type == 4) {
    setfillcolor(RGB(102, 102, 102)); solidpic(pt>number % 8 * 100 + 50, int(pt>number / 8) * 100 + 50, pt>number % 8 * 100 + 150, int(pt>number / 8) * 100 + 50, pt>number % 8 * 100 + 150, int(pt>number / 8) * 100 + 50, pt>number % 8 * 100 + 150, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 150, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, int(pt>number / 8) * 100 + 65, pt>number % 8 * 100 + 135, int(pt>number / 8) * 100 + 65, in
   int(pt->number / 8) * 100 + 135, -pt->minute * PI / 30 + PI / 2, PI / 2);
   setfillcolor(RGB(217, 217, 217)); solidpic(pt-number % 8 * 100 + 80, int(pt-number / 8) * 100 + 80, pt-number % 8 * 100 + 120, int(pt-number / 8) * 100 + 120, pt-number % 8 * 100 + 120, pt-number / 8) * 100 + 120, pt-number / 8) * 100 + 120, pt-number / 8) * 100 + 120, pt-number / 8 * 100 + 100, int(pt-number / 8) * 100 + 100, 50);
                                               else if (pt->type == 5) {
settextstyle(16, 0, "微软雅黑");
                                                                   sprintf(s,_T("%02d:%02d"%02d"), pt>minute, pt>second);
outlextv(p(r>-number % 8 * 100 + 90, int(pt>number / 8) * 100 + 95, s);
for (i = 0; i < pt>-hour; i++) { circle(pt>number % 8 * 100 + 100 + 40 * cos(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 - PI / 2), pt>number / 8 * 100 + 100 + 40 * sin(i * PI / 6 -
   6 - PI / 2), 8): 3
                                               / //sprintfts, _T("%02d%02d%02d%02d%d"),pt->hour.pt->minute.pt->second.pt-//outtextsy/pt->number % 8 * 100 + 50, int(pt->number / 8) * 100 + 50, s); settextstyle(24, 0, "微软雅黑");
                         return 0;
     void reckon(Clocktime *pt,int *ti) {
    while (pt->next != NULL)
                                               pt->second = pt->secondc + ( * ti-pt->jump) / pt->inter;
                                             pc-second = pc-second = (r -t-pc-jump) pc-siter;

pc-situte = pc-shoure + (rt-pc-jump) (60.0 pc-siter;

pc-shour = pc-shoure + (rt-pc-jump) (60.0 pc-siter;

pc-shoure = pc-shoure + (rt-pc-jump) (60.0 pc-siter;

while (pt-scond = 60) { pc-scond = 60; pc-shoure++; }

while (pt-sminute > 60) { pc-sminute = 60; pc-shoure++; }

if (pc-shoure = 20 && *t = 5000) {

pc-shour = mad0 % 60.0

pc-shoure = mad0 % 60.0
                                                                     pt->minute = rand() % 60;
                                                                     pt->second = rand() % 60;
                                                                   pt->inter = rand() % 7 * 100 + 700;
pt->type = rand() % 4 + 1;
                       }
   int Phantomspacetime(int *to) {
                         int i, point = 0, t = 0, ta = 0;
int* ti = &t;
                           SYSTEMTIME time
                         IMAGE bk;
loadimage(&bk, _T("bk51.jpg"));
Clocktime* cl;
                         cleardevice();
                         putimage(0, 0, &bk)
                                    ttextstyle(30, 0, "微软雅黑"); settextcolor(BLACK);
                           setbkmode(TRANSPARENT)
                                                              de(OPAQUE); settextcolor(WHITE);
                         key = _getch();
key = 0;
                         cleardevice():
                       cleardevice();
GetLocalTime(&time);
GetLocalTime(&time);
ta = time.wMinute * 60000 + time.wSecond * 1000 + time.wMilliseconds;
BeginBashcDnav();
while (key != 13) {
                                             cleardevice();
                                                                                                                                                                                                   t = time.wMinute * 60000 + time.wSecond * 1000 + time.wMilliseconds - ta
                                               GetLocalTime(&time):
                                               if (t < 5000) {
                                                                                                                                                                                                       settextstyle(24, 0, "微软雅黑");
- / 1^0nn + % 1000 / 10);
outtextxy(20 % 8 * 100 + 65, int(20 / 8) * 100 + 100, s);
                                                                                                      olor(RED):
                                                                     seriexistyte(24, 0, %(3)/sprintf(s, _T("00:%02d.%02d"), t / 1000, t % 1000 / 10);
settextcolor(WHITE);
                                           _out(cl, ti);
FlushBatchDraw();
                                                 sprintf(s, _T("%d"), ta);
reckon(cl, ti);
                                                                                                                                                                              outtextxv(0, 0, s):
                         GetLocalTime(&time);
                         t = time.wMinute * 60000 + time.wSecond * 1000 + time.wMilliseconds - ta;
                           *to = t:
                           point = int(10 - sqrt(abs(t - 30000) / 60.0));
                         if (point < 0)point = 0;

sprintf(s, _T"time:%d ms/30000 ,point:%d"), t, point);

EndBatchDraw();

Sleep(2000);
                         return point;
       settextstyle(24, 0, "微软雅黑");
                           cleardevice();
```

IMAGE bk:

```
putimage(0, 0, &bk);
              while (project != 2) {
                         mciSendString("open Fireflyforest.mp3 alias bkmusic", NULL, 0, NULL);
                         meiSendString("play bkmusie", NULL, 0, NULL);
for (i = 1; i < 8; i++) {
    switch (i)
                                    (case(1)sprinff(s_T("这里是小y谜设的第五个项目,也是最后一个项目; 小y的星河世界,感谢您的参与; ")); break; case(2)sprinff(s_T("李珉节需要您依念参与以下三个星河实验,请敲击%d 核键进入相应的子项目"), project + 1); break; case(3)sprinff(s_T("李珉目"); break; 在se(4)sprinff(s_T("帝士眼吧,没有爱承,也没有规定,看完能算完成。")); break;
                                       case(f):sprintf(s,_T(")j; break;
case(6):sprintf(s,_T(")j; break;
case(7):sprintf(s,_T("请进入子项目后查看相关信息。")); break;
                                     outtextxy(40, 10 + 36 * i, s);
                         key = getch();
                         case('1'):if (project == 0) { mciSendString("close bkmusic", NULL, 0, NULL); t = ending(1); project++; savep(5, 1, 0, 1); }break; case(2'):if (project == 1) { mciSendString("close bkmusic", NULL, 0, NULL); point = Phantomspacetime(ti); savep(5, 2, point, 1); if (point >
 0)project++; else project--; } break;
                         default:mciSendString("close bkmusic", NULL, 0, NULL); project = 2; break;
    小 y 的 星 河 世
                                                                                                                                                                                                                                                                                      界
                                                                                                                                                                                                                                                                                                          솶
                                                                                                                                                                                                                                                                                                                              81
                                                                                                                                                                                                                                                                                                                                              结
void save(int *a,int m) {//将游戏存档入文件里
           Section 3. (a) (with the content of 
            if (m=0) InputBox(s, 10, _T("项目开始,请输入用户名: <math>\ \ 'n \ i 您在弹出的窗口中选择数字"15",在下一页中阅读用户手册,阅读完成后请您点
市下方的提交按钮后是回找窗口、(《宋月》》》,他看不过,名:"他看在上午回时间十一名"水平"),让一个个问题的一个"想见这么比如而怎么
市下方的提交按钮后是回找窗口、客馆等的阅读"转应口格字本参与国书学》由一个的信息中心"》)。
clss if (m=1) laputBox(s, 10, I("项目结束,请再次输入用户名;'a 如果您对本次课设提存在一些建议或意见,可以以文字或图片的形式填写
在弹出的链接当中,潮潮:同时希望能够获得文件中的 save.txt. "》);
            FILE* fp = NULL;
            int error;
name[20] ="\0";
             strepy s(name, s);
            if(m==0) error = fopen s(&fp, "/save.txt", "w");
              else error = fopen_s(&fp, "/save.txt", "a");//这里的返回值是,如果成功返回 0,如果不成功返回非 0
                        printf("打开失败");
            if (fp)
                        if (m == 1 && *(a + 4) > 5)
                                                                                                                 fprintf s(fp, "=
                                                                                                                                                                       ====User:%s Complete Code:%d%d%d%d%d%d===
       _fcloseall();
  void initialization(int* p, int n,int *t)//初始界面绘制
              setbkmode(TRANSPARENT);
             IMAGE img1, img01, img02, img03, img04, img05, img06;
loadimage(\&img1, T("bk1.jpg")); loadimage(\&img01, T("bk01.jpeg")); loadimage(\&img02, T("bk02.jpg")); loadimage(\&img03, T("bk03.jpeg")); loadimage(\&img04, T("bk04.jpg")); loadimage(\&img04, T("bk04.jpg")); loadimage(\&img04, T("bk04.jpg")); loadimage(\&img05, T("bk05.jpeg")); loadimage(\&img06, T("bk06.jpeg")); \\
           putimage(0, 0, &img1);
putimage(0, 0, &img1);
settextstyle(24, 0, "微软雅黑");
setfillcolor(RGB(202, 100, 234));
             solidroundrect(420, 615, 830, 665, 20, 20);
             switch (n + 1)
           (asse(2)sprintf(s__Tr(光项目已隐藏")); outtexty(435, 630, s); putimage(468, 290, &img01); break; case(2)sprintf(s__Tr(第%d 项; 小 y)的翻版序设施"), n + 1); outtexty(435, 630, s); putimage(468, 290, &img02); break; case(3)sprintf(s__Tr(光项目已隐藏)); outtexty(435, 630, s); putimage(468, 290, &img03); break; case(4)sprintf(s__Tr(光项目已隐藏)); outtexty(435, 630, s); putimage(468, 290, &img03); break; case(4)sprintf(s__Tr(光项目已隐藏)); outtexty(435, 630, s); putimage(468, 290, &img03); break; case(4)sprintf(s__Tr(光项目)); outtexty(435, 630, s); putimage(468, 290, &img03); break; case(4)sprintf(s__Tr(L)); outtexty(435, 630, s); putimage(488, 290, &img03); break; case(4)sprintf(s__Tr(L)); outtexty(435, 630, s); putimage(488, 29
            case(6):sprintf(s, _T("End"));
                                                                                                                                                                           outtextxv(435, 630, s); putimage(468, 290, &img06); break;
            default:
               switch (*(p + n))
          {
case(-2):sprinff(s, T("Hidden")); break;
case(-1):sprinff(s, T("Locked")); break;
case(0):sprinff(s, T("Locked")); break;
case(0):sprinff(s, T("Grade: F")); break;
case(2):sprinff(s, T("Grade: F")); break;
case(3):sprinff(s, T("Grade: F")); break;
case(3):sprinff(s, T("Grade: F")); break;
case(4):sprinff(s, T("Grade: C")); break;
case(4):sprinff(s, T("Grade: G")); break;
case(4):sprinff(s, T("Grade: G")); break;
          case(4)sprint(s, _T(*Grade: C*)); break;
case(6)sprint(s, _T(*Grade: A*)); break;
case(6)sprint(s, _T(*Grade: A*)); break;
case(7)sprint(s, _T(*Grade: S*)); break;
case(8)sprint(s, _T(*Grade: S*S*)); break;
case(9)sprint(s, _T(*Grade: SSS*)); break;
default:sprint(s, _T(*Wrong Status*));
             outtextxy(655, 630, s);
             setbkcolor(BLACK);
           settextcolor(WHITE);
             Sleep(300);
              solidpie(20, 20, 80, 80, PI / 2, *t * 2 * PI / 1200 + PI / 2);
            FlushBatchDraw();
                                                                                                                                                                                    初
                                                                                                                                                                                                                                    界
                                                                                                                                                                                                                                                           īfii
                                                                                                                                                                                                                                                                                     经
                                                                                                                                                                                                                                                                                                             制
                                                                                                                                                                                    初
                                                                                                                                                                                                            始
                                                                                                                                                                                                                                                                                      56.
52.
                                                                                                                                                                                                                                                                                                               制
  using namespace std;
                nitgraph(WIDTH, HEIGHT, EW_SHOWCONSOLE | EW_NOCLOSE);
            int\ finish[6] = \{\ -2,0,0,-2,-1,-1\ \};
           int* a = &finish[0], * ti = &t;
```

```
while (finish[4] > -2 && finish[4] < 8 && finish[5] == -1) {
                            le (finshld) - 2 && finshld] - (8 && finshld] := -1) {
    if (** *"4 +) *"4 + "2 *"4 - 2 *"6 + 3 = 0) {
        mics Mod finshld] - 8, be finshld] := -1) {
        mics Mod finshld] - 8, be finshld] := -1, be find finshld finshld
                               if (finish[0] * finish[1] * finish[2] * finish[3] != 0 && finish[4] == -1) finish[4] = 0;
                               if (t > 1200)finish[4] = -2;
                               if (_kbhit()) {
                                             key = _getch();
switch (key)
                                               case(75):if (now > 0)now = now - 1; break
                                               case('d'):if (now < 5)now = now + 1; break
                                               case(77):if (now < 5)now = now + 1; break:
                                             case(7);nf (now < 5)now = now + 1; break;
case(27);nf (now < 6); browle; now + 1; break;
case(27);nf (finish[4] = 0; finish[4] = -2; else { mciSendString("close initmusic", NULL, 0, NULL); EndBatchDraw(); finish[5] = 0; } break;
case(27);nf (finish[4] = 0; finish[4] = -2; else { mciSendString("close initmusic", NULL, 0, NULL); EndBatchDraw(); finish[5] = 0; } break;
case(17);now = 0; break;
case(17);now = 1; break;
case(17);now = 2; break;
case(17);now = 3; break;
                                               case('5'):now = 4; break;
                                                case('6'):now = 5: break
                                                 case(13):switch (now + 1)
                                                        se(2):if (finish[1] != -1 && finish[1] != -2) { mciSendString("close initmusic", NULL, 0, NULL); EndBatchDraw(); finish[1] =
centregame(); t = 0; } break;
                                               case(3):if (finish[2] != -1 && finish[2] != -2) { mciSendString("close initmusic", NULL, 0, NULL); EndBatchDraw(); finish[2] =
 Vestibularbackyard(); t = 0; } break;
                                                case(5):if (finish[4] !=-1) { mciSendString("close initmusic", NULL, 0, NULL); EndBatchDraw(); finish[4] = Starworld(); t = 0; } break;
               if (finish[4] == -2) {
                               save(a, 1);
                               ending(2);
                              return 0;
```