

C程序开发经典实例之7 PDF转换可能丢失图片或格式，建议
阅读原文

https://www.100test.com/kao_ti2020/181/2021_2022_C_E7_A8_8B_E5_BA_8F_E5_BC_80_c97_181126.htm 计算机等级考试训练软件《百宝箱》

【程序61】题目：打印出杨辉三角形（要求打印出10行如下图）

1.程序分析：1 1 1 2 1 1 3 3 1 1 4 6 4 1 1 5 10 10 5 12.
2.程序源代码：

```
main(){ int i, j. int a[10][10]. printf("\n").  
for(i=0. i { a[i][0] = 1. a[i][i] = 1. } for(i=2.i for(j=1.j a[i][j] =  
a[i-1][j-1] a[i-1][j]. for(i=0. i { for(j=0.j printf(")", a[i][j]).  
printf("\n"). } }
```

【程序62】题目：学习putpixel画点。1.程序分析

：2.程序源代码：

```
#include "stdio.h"#include "graphics.h"main(){  
int i, j, driver = VGA, mode = VGAHI. initgraph(amp.mode, "").  
setbkcolor(YELLOW). for(i=50. i for(j=50. j putpixel(i, j, 1).  
for(j=50. j for(i=50. i putpixel(i, j, 1).} 
```

【程序63】题目：画椭圆ellipse

1.程序分析：2.程序源代码：

```
#include "stdio.h"#include  
"graphics.h"#include "conio.h"/* 欢迎访问 C Builder研究 -  
www.ccrun.com */main(){ int x = 360, y = 160, driver = VGA,  
mode = VGAHI. int num=20, i. int top, bottom.  
initgraph(amp.mode, ""). top = y - 30. bottom = y - 30. for(i=0. i {  
ellipse(250, 250, 0, 360, top, bottom). top -= 5. bottom = 5. }  
getch().} 
```

【程序64】题目：利用ellipse and rectangle 画图。1.程

序分析：2.程序源代码：

```
#include "stdio.h"#include  
"graphics.h"#include "conio.h"main(){ int driver = VGA, mode =  
VGAHI. int i, num = 15, top = 50. int left = 20, right = 50.  
initgraph(amp.mode, ""). for(i=0. i { ellipse(250, 250, 0, 360, right,  
left). ellipse(250, 250, 0, 360, 20, top). rectangle(20 - 2 * i, 20 - 2 * i,
```

程序分析：2.程序源代码：

```
#include "stdio.h"#include
```

"graphics.h"#include "conio.h"main(){ int driver = VGA, mode =
VGAHI. int i, num = 15, top = 50. int left = 20, right = 50.
initgraph(amp.mode, ""). for(i=0. i { ellipse(250, 250, 0, 360, right,

left). ellipse(250, 250, 0, 360, 20, top). rectangle(20 - 2 * i, 20 - 2 * i,

```
10 * (i 2), 10 * (i 2)). right = 5. left = 5. top = 10. } getch().} 【程序65  
】 题目：一个最优美的图案。 1.程序分析： 2.程序源代码  
： #include "graphics.h"#include "math.h"#include "dos.h"#include  
"conio.h"#include "stdlib.h"#include "stdio.h"#include  
"stdarg.h"#define MAXPTS 15#define PI 3.1415926struct PTS{ int x,  
y.} /* 63 63 72 75 6E 2E 63 6F 6D */double AspectRatio = 0.85.void  
LineToDemo(void){ struct viewporttype vp. struct PTS  
points[MAXPTS]. int i, j, h, w, xcenter, ycenter. int radius, angle,  
step. double rads. printf(" MoveTo / LineTo Demonstration" ).  
getviewsettings( amp.driver, &amp;.mode, ""). setcolor(3).  
setbkcolor(GREEN). LineToDemo().} 100Test 下载频道开通，各  
类考试题目直接下载。 详细请访问 www.100test.com
```