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(3) #include <graphics.h>
#include <conio.h>
#include <dos.h>
#include <stdlib.h>

main()
{
    int gd = DETECT, gm, midn, midy;
    initgraph(&gd, &gm, "C:\\TurboC3\\BGI");
    midn = getmaxx() / 2; midy = getmaxy() / 2;
    setcolor(RED); settextstyle(Script_FONT, HORIZ_DIR, 3);
    settextjustify(CENTER_TEXT, CENTER_TEXT);
    outtextxy(midn, midy - 10, "Traffic Light");
    outtextxy(midn, midy + 10, "Press any key to start");
    getch(); cleardevice();

    setcolor(WHITE);
    settextstyle(DEFAULT_FONT, HORIZ_DIR, 1);
    rectangle(midn - 30, midy - 80, midn + 30, midy + 80);
    circle(midn, midy - 50, 22);
    setfillstyle(SOLID_FILL, RED);
    floodfill(midn, midy - 50, WHITE);
    setcolor(BLUE);
    outtextxy(midn, midy - 50, "STOP");
    delay(2000);
    graphdefaults();
    cleardevice();
    setcolor(WHITE);
    rectangle(midn - 30, midy - 80, midn + 30, midy + 80);
```

```
circle (midn , midy , 20);  
setfillstyle (SOLID-FILL , YELLOW);  
floodfill (midn , midy , WHITE);  
setcolor (BLUE);  
outtextxy (midn - 18 , midy - 3 , "READY");  
delay (2000);  
cleardevice();  
setcolor (WHITE);  
rectangle (midn - 30 , midy - 80 , midn + 30 , midy + 80);  
circle (midn , midy + 50 , 22);  
setfillstyle (SOLID-FILL , GREEN);  
floodfill (midn , midy + 50 , WHITE);  
setcolor (BLUE);  
outtextxy (midn - 7 , midy + 48 , "Go");  
setcolor (RED);  
settextstyle (SCRIPT-FONT , HORIZ-DIR , 4);  
outtextxy (midn - 150 , midy + 100 , "Press any key to exit");  
getch();  
closegraph();  
return 0;  
}
```