sollab7levi.pas*

```
uses graph,crt,wincrt,lab7module;//подключаемый модуль
var m,wx,wy,g,gd,gm :integer;
var k:integer;
procedure cg;
begin
     CloseGraph;
     Writeln('Graphics Closed.');
End;
Procedure KeyDown();
var
k:char;
begin
gd:=detect;
initgraph(gd,gm,'');
ris(wx-m,wy,wx+m,wy,g);
  repeat
 k:= wincrt.readkey;
 if k = #0 then
 begin
 k:= wincrt.readkey;
 case k of
 #72:
 begin
 if wy>500 then
 wy:=wy-10;
 cleardevice;
 ris(wx-m,wy,wx+m,wy,g);
 end;
 #80:
 begin
 if wy<=1000 then
 wy:=wy+10;
 cleardevice;
 ris(wx-m,wy,wx+m,wy,g);
 end;
 #77:
 begin
 if wx<=1500 then
   wx:=wx+10;
   cleardevice;
   ris(wx-m,wy,wx+m,wy,g);
 end;
 #75:
 begin
 if wx>500 then
 wx:=wx-10;
 cleardevice;
 ris(wx-m,wy,wx+m,wy,g); end;
 #82:
 begin
```

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```
ris(wx-m,wy,wx+m,wy,g);
end;
#77:
begin
if wx<=1500 then
  wx:=wx+10;
  cleardevice;
  ris(wx-m,wy,wx+m,wy,g);
end;
#75:
begin
if wx>500 then
wx:=wx-10;
cleardevice;
ris(wx-m,wy,wx+m,wy,g); end;
#82:
begin
if m<500 then m:=m+50;
cleardevice;
ris(wx-m,wy,wx+m,wy,g); end;
#83:
begin
  if m>100 then m:=m-50;
  cleardevice;
ris(wx-m,wy,wx+m,wy,g);
end;
#73:
begin
  if g<15 then g:=g+1;
   cleardevice;
ris(wx-m,wy,wx+m,wy,g);
end;
#81:
begin
  if g>2 then g:=g-1;
   cleardevice;
ris(wx-m,wy,wx+m,wy,g);
end;end;end;
until k=#27;
cg; end;

begin
m:=150;
wx:=900;
wy:=550;
g:=13;
 KeyDown();
end.
```

lab7module.pas*

```
unit lab7module;// модуль,отвечающий за отрисовку
interface
procedure ris(x1,y1,x2,y2:real;k:integer);
implementation
uses graph;
procedure ris(x1,y1,x2,y2:real;k:integer);
var x3,y3:real;
begin

if k=0 then  line(trunc(x1),trunc(y1),trunc(x2),trunc(y2))
else
 begin
  x3:=(trunc(x1)+trunc(x2))/ 2-(trunc(y1)-trunc(y2)) / 2;
  y3:=(trunc(y1)+trunc(y2)) / 2+(trunc(x1)-trunc(x2)) / 2;
  ris(x1,y1,x3,y3,k-1);
  ris(x3,y3,x2,y2,k-1);
 end;
end;
end.
```