

unit loadWnd;

interface

uses

Winapi.Windows, Winapi.Messages,
System.SysUtils, System.Variants,
System.Classes, Vcl.Graphics,
Vcl.Controls, Vcl.Forms, Vcl.Dialogs,
Vcl.ExtCtrls, Vcl.StdCtrls,
Vcl.Imaging.pngimage;

type

TForm4 = class(TForm)

Timer1: TTimer;

Label1: TLabel;

Label2: TLabel;

Label3: TLabel;

Label4: TLabel;

Label5: TLabel;

Label6: TLabel;

Timer2: TTimer;

Image2: TImage;

procedure FormCreate(Sender: TObject);

procedure Timer1Timer(Sender: TObject);

procedure Timer2Timer(Sender: TObject);

private

FCurrentLabel: integer;

FFormAlpha: byte;

public

end;

var

Form4: TForm4;

x,y: real;

implementation

uses LevelSelection;

{ \$R *.dfm }

procedure TForm4.FormCreate(Sender:
TObject);

begin

FCurrentLabel := 0 ;

Label1.font.color := \$d0b209;

Label2.font.color := \$d0b209;

label3.font.color := \$d0b209;

label4.font.color := \$d0b209;

label5.font.color := \$d0b209;

label6.font.color := \$d0b209;

FFormAlpha := 0;

Self.AlphaBlend := True;

Self.AlphaBlendValue := FFormAlpha;

end;

procedure TForm4.Timer1Timer(Sender:
TObject);

begin

case FCurrentLabel of

5:

begin

Label1.Visible := True;

end;

6:

begin

Label2.Visible := True;

end;

7:

begin

Label3.Visible := True;

end;

8:

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begin
    Label4.Visible := True;
end;
9:
begin
    Label5.Visible := True;
end;
10:
begin
    Label6.Visible := True;
end;
end;

Inc(FCurrentLabel);
if FCurrentLabel > 12 then
begin
    Timer1.Enabled := False;
    Form6.show;
    Form4.hide;
end;
end;

procedure      TForm4.Timer2Timer(Sender:
TObject);
begin
    Inc(FFormAlpha, 5);
    Self.AlphaBlendValue := FFormAlpha;

    if FFormAlpha = 255 then
        Timer2.Enabled := False;
end;

end.

unit levelSelection;

interface

```

```

uses
    ShellAPI,                Winapi.Windows,
    Winapi.Messages,         System.SysUtils,
    System.Variants,         System.Classes,
    Vcl.Graphics,
    Vcl.Controls,    Vcl.Forms,    Vcl.Dialogs,
    Vcl.StdCtrls, Vcl.ExtCtrls,
    Vcl.Imaging.jpeg,    Vcl.Imaging.GIFImg,
    Vcl.Imaging.pngimage, Vcl.Buttons,
    Vcl.MPlayer;

type
    TForm6 = class(TForm)
        Timer1: TTimer;
        Image5: TImage;
        Image6: TImage;
        Timer2: TTimer;
        Image7: TImage;
        Image8: TImage;
        Image9: TImage;
        Timer3: TTimer;
        Timer4: TTimer;
        Image3: TImage;
        Image4: TImage;
        Image10: TImage;
        Image11: TImage;
        Image1: TImage;
        Image2: TImage;
        Image12: TImage;
        Image13: TImage;
        MediaPlayer1: TMediaPlayer;
        MediaPlayer2: TMediaPlayer;
        Image14: TImage;
        procedure FormCreate(Sender: TObject);
        procedure Timer1Timer(Sender: TObject);
        procedure      Image6MouseEnter(Sender:
TObject);
        procedure Timer2Timer(Sender: TObject);

```

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```

procedure      Image6MouseLeave(Sender:
TObject);
    procedure Image6Click(Sender: TObject);
    procedure Image8Click(Sender: TObject);
    procedure      Image8MouseEnter(Sender:
TObject);
    procedure      Image8MouseLeave(Sender:
TObject);
    procedure Timer3Timer(Sender: TObject);
    procedure Timer4Timer(Sender: TObject);
    procedure      Image1MouseEnter(Sender:
TObject);
    procedure      Image1MouseLeave(Sender:
TObject);
    procedure Image1Click(Sender: TObject);
    procedure FormClose(Sender: TObject; var
Action: TCloseAction);
    procedure Image2Click(Sender: TObject);
    procedure Image3Click(Sender: TObject);
    procedure Image12Click(Sender: TObject);
    procedure Image13Click(Sender: TObject);
    procedure      MediaPlayer1Notify(Sender:
TObject);
    procedure FormShow(Sender: TObject);
    procedure Image14Click(Sender: TObject);

```

```

private procedure WMHotkey( var msg:
TWMHotkey ); message WM_HOTKEY;
end;

```

var

```

Form6: TForm6;
curTime:integer;
isMusicWas:boolean;
isMusikAllowed:bool;
isSounds:bool;

```

implementation

```

{$R *.dfm}

```

```

uses loadWnd, Lvl1, Lvl2, lvl3, menu;

```

```

procedure TForm6.WMHotkey( var msg:
TWMHotkey );
begin
    if (msg.hotkey = 1) then
    begin
        image1.Visible := False;
        image2.Visible := False;
        image3.Visible := False;
        image4.Visible := False;
        image10.Visible := False;
        image11.Visible := False;
        Image12.Visible := False;
        image13.Visible := True;
        image6.Visible := True;
        image7.Visible := True;
        image8.Visible := True;
        image9.Visible := True;
    end;
end;

```

```

procedure      TForm6.FormClose(Sender:
TObject; var Action: TCloseAction);
begin
    UnRegisterHotkey( self.Handle, 1 )
end;

```

```

procedure      TForm6.FormCreate(Sender:
TObject);
begin
    if not RegisterHotkey(self.Handle, 1, 0,
VK_ESCAPE) then

```

ShowMessage('Unable to assign ESCAPE
as hotkey.');

isMusicWas := false;
isMusikAllowed := True;
IsSounds := True;

image5.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\lvl1sel.png');

image6.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\btnlvl1sel.png');

image8.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\exitBtn.png');

image7.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\shadow.png');

image9.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\shadow.png');

image1.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\lvl1.png');

image2.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\lvl2.png');

image3.Picture.LoadFromFile(extractfilepath(a

pplication.ExeName) +
'assets\levelSelection\lvl3.png');

image4.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName) +
'assets\levelSelection\lvl1descr.png');

image10.Picture.LoadFromFile(extractfilepath(
application.ExeName) +
'assets\levelSelection\lvl2descr.png');

image11.Picture.LoadFromFile(extractfilepath(
application.ExeName) +
'assets\levelSelection\lvl3descr.png');

image12.Picture.LoadFromFile(extractfilepath(
application.ExeName) +
'assets\levelSelection\btnBack.png');

image13.Picture.LoadFromFile(extractFilePath
(application.ExeName) +
'assets\levelSelection\settings.png');

image14.Picture.LoadFromFile(extractFilePath
(application.ExeName) +
'assets\levelSelection\question.png');

Timer1.Enabled := false;
timer2.enabled := false;
timer3.Enabled := false;
timer4.Enabled := false;
end;

procedure TForm6.FormShow(Sender:
TObject);
begin
if (isMusikAllowed) and not(isMusicwas) then

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begin
    ismusicwas:=true;
    mediaPlayer1.FileName      :=
extractFilePath(application.ExeName)  +
'sounds\puzzle-1-b.mp3';
    mediaPlayer1.Open;
    mediaPlayer1.Play;
end;
end;

procedure      TForm6.Image6Click(Sender:
TObject);
begin
    image1.Visible := True;
    image2.Visible := True;
    image3.Visible := True;
    image4.Visible := True;
    image10.Visible := True;
    image11.Visible := True;
    image12.visible := True;
    image6.Visible := False;
    image7.Visible := False;
    image8.Visible := False;
    image9.Visible := False;
    image13.Visible := False;
    image14.Visible := False;
    Form8.playThisSound('toggle_001.mp3')
end;

procedure TForm6.Image6MouseEnter(Sender:
TObject);
begin
    image6.Cursor := crhandPoint;
    timer1.Enabled := True;
    timer2.Enabled := False;
end;

```

```

procedure
TForm6.Image6MouseLeave(Sender: TObject);
begin
    image6.cursor := crDefault;
    timer2.Enabled := True;
    timer1.Enabled := False;
end;

procedure      TForm6.Image8Click(Sender:
TObject);
begin
    Form8.playThisSound('close_001.mp3');
    application.Terminate;
end;

procedure TForm6.Image8MouseEnter(Sender:
TObject);
begin
    image8.Cursor := crhandPoint;
    timer3.Enabled := True;
    timer4.Enabled := False;
end;

procedure
TForm6.Image8MouseLeave(Sender: TObject);
begin
    image8.cursor := crDefault;
    timer4.Enabled := True;
    timer3.Enabled := False;
end;

procedure
TForm6.MediaPlayer1Notify(Sender:
TObject);
begin
    if MediaPlayer1.NotifyValue = nvSuccessful
then
        begin

```

```

MediaPlayer1.Play;
end;
end;

procedure TForm6.Image12Click(Sender:
TObject);
begin
form8.playThisSound('bong_001.mp3');
image1.Visible := False;
image2.Visible := False;
image3.Visible := False;
image4.Visible := False;
image10.Visible := False;
image11.Visible := False;
Image12.Visible := False;
image6.Visible := True;
image7.Visible := True;
image8.Visible := True;
image9.Visible := True;
Image13.Visible := True;
image14.Visible := True;
end;

procedure TForm6.Image13Click(Sender:
TObject);
begin
Form8.playThisSound('toggle_001.mp3');
form8.showmodal;
end;

procedure TForm6.Image14Click(Sender:
TObject);
begin
ShellExecute(0, PChar ('Open'), PChar
(extractfilePath(application.ExeName) +
'manual\manualOfProject3.chm'), nil, nil,
SW_SHOW);
end;

```

```

procedure TForm6.Image1Click(Sender:
TObject);
begin
form8.playThisSound('scratch_003.mp3');
form5.Show;
self.Hide;
end;

procedure TForm6.Image1MouseEnter(Sender:
TObject);
begin
(Sender as TImage).Cursor := crHandPoint;
end;

procedure
TForm6.Image1MouseLeave(Sender: TObject);
begin
(Sender as TImage).Cursor := crDefault;
end;

procedure TForm6.Image2Click(Sender:
TObject);
begin
form8.playThisSound('scratch_003.mp3');
Form1.show;
self.hide;
end;

procedure TForm6.Image3Click(Sender:
TObject);
begin
form8.playThisSound('scratch_003.mp3');
Form7.show;
self.hide;
end;

```

```

procedure      TForm6.Timer1Timer(Sender:
TObject);
begin
    if image6.top >= 233 then
        timer1.Enabled := False;
    image6.top := image6.top + 1;

end;

procedure      TForm6.Timer2Timer(Sender:
TObject);
begin
    if image6.top <= 230 then
        timer2.Enabled := False;
    image6.top := image6.top - 1;
end;

procedure      TForm6.Timer3Timer(Sender:
TObject);
begin
    if image8.top >= 345 then
        timer3.Enabled := False;
    image8.top := image8.top + 1;
end;

procedure      TForm6.Timer4Timer(Sender:
TObject);
begin
    if image8.top <= 342 then
        timer4.Enabled := False;
    image8.top := image8.top - 1;
end;

end.

unit menu;

interface

```

```

uses
    Winapi.Windows,      Winapi.Messages,
    System.SysUtils,      System.Variants,
    System.Classes, Vcl.Graphics,
    Vcl.Controls,    Vcl.Forms,    Vcl.Dialogs,
    Vcl.ExtCtrls, Vcl.Imaging.pngimage,
    Vcl.Buttons;

type
    TForm8 = class(TForm)
        Image1: TImage;
        Image2: TImage;
        Image3: TImage;
        Image4: TImage;
        procedure FormCreate(Sender: TObject);
        procedure Image2Click(Sender: TObject);
        procedure Image2MouseEnter(Sender:
TObject);
        procedure Image2MouseLeave(Sender:
TObject);
        procedure Image3Click(Sender: TObject);
        procedure Image4Click(Sender: TObject);
    private
        { Private declarations }
    public
        procedure
playThisSound(soundname:string);
        { Public declarations }
    end;

var
    Form8: TForm8;

implementation

{$R *.dfm}

uses levelSelection;

```

```

procedure      TForm8.FormCreate(Sender:
TObject);
begin

image1.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName)          +
'assets\settings\settings2.png');

image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)          +
'assets\settings\speaker.png');

image4.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)          +
'assets\settings\musik.png');

end;

procedure      TForm8.Image2Click(Sender:
TObject);
begin
    self.playThisSound('close_001.mp3');
    self.close;
end;

procedure TForm8.Image2MouseEnter(Sender:
TObject);
begin
    (Sender as TImage).Cursor := crHandPoint;
end;

procedure
TForm8.Image2MouseLeave(Sender: TObject);
begin
    (Sender as TImage).Cursor := crDefault;
end;

```

```

procedure      TForm8.Image3Click(Sender:
TObject);
begin
    if isSounds then
        begin

image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)          +
'assets\settings\mute.png');

            IsSounds := false;
        end
    else
        begin

image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)          +
'assets\settings\speaker.png');

            IsSounds := true;
        end;
end;

procedure      TForm8.Image4Click(Sender:
TObject);
begin
    if isMusikAllowed then
        begin

image4.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)          +
'assets\settings\musikMute.png');

            isMusikAllowed := False;
            form6.MediaPlayer1.Stop;
        end
    else
        begin

image4.Picture.LoadFromFile(extractfilePath(a

```

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```

pplication.ExeName)                                +      Image3: TImage;
'assets\settings\musik.png');                      Image4: TImage;
    isMusikAllowed := True;                          procedure FormCreate(Sender: TObject);
    form6.MediaPlayer1.Play;                          procedure Image2Click(Sender: TObject);
    end;                                              procedure      Image2MouseEnter(Sender:
end;                                                  TObject);
                                                    procedure      Image2MouseLeave(Sender:
                                                    TObject);
procedure
TForm8.playThisSound(soundname:string);
begin
    if isSounds then
        begin
            Form6.MediaPlayer2.FileName      :=
extractfilepath(application.ExeName)              +
'\sounds\' + soundname;
            Form6.MediaPlayer2.Open();
            Form6.MediaPlayer2.Play();
        end;
    end;
end;

var
    Form8: TForm8;

implementation

{$R *.dfm}
uses levelSelection;

procedure      TForm8.FormCreate(Sender:
TObject);
begin
    image1.Picture.LoadFromFile(extractfilepath(a
pplication.ExeName)                                +
'assets\settings\settings2.png');

    image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)                                +
'assets\settings\speaker.png');

```

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```
image4.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)
'assets\settings\musik.png');
```

```
end;
```

```
procedure TForm8.Image2Click(Sender:
TObject);
```

```
begin
```

```
self.playThisSound('close_001.mp3');
```

```
self.close;
```

```
end;
```

```
procedure TForm8.Image2MouseEnter(Sender:
TObject);
```

```
begin
```

```
(Sender as TImage).Cursor := crHandPoint;
```

```
end;
```

```
procedure
```

```
TForm8.Image2MouseLeave(Sender: TObject);
```

```
begin
```

```
(Sender as TImage).Cursor := crDefault;
```

```
end;
```

```
procedure TForm8.Image3Click(Sender:
TObject);
```

```
begin
```

```
if isSounds then
```

```
begin
```

```
image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)
```

```
'assets\settings\mute.png');
```

```
IsSounds := false;
```

```
end
```

```
else
```

```
begin
```

```
image3.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)
```

```
'assets\settings\speaker.png');
```

```
IsSounds := true;
```

```
end;
```

```
end;
```

```
procedure TForm8.Image4Click(Sender:
TObject);
```

```
begin
```

```
if isMusikAllowed then
```

```
begin
```

```
image4.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)
```

```
'assets\settings\musikMute.png');
```

```
isMusikAllowed := False;
```

```
form6.MediaPlayer1.Stop;
```

```
end
```

```
else
```

```
begin
```

```
image4.Picture.LoadFromFile(extractfilePath(a
pplication.ExeName)
```

```
'assets\settings\musik.png');
```

```
isMusikAllowed := True;
```

```
form6.MediaPlayer1.Play;
```

```
end;
```

```
end;
```

```
procedure
```

```
TForm8.playThisSound(soundname:string);
```

```
begin
```

```
if isSounds then
```

```
begin
```

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Form6.MediaPlayer2.FileName	:=	{ \$WARN COMPARISON_FALSE ON }
extractfilepath(application.ExeName)	+	{ \$WARN COMPARISON_TRUE ON }
'\sounds\' + soundname;		{ \$WARN
Form6.MediaPlayer2.Open();		COMPARING_SIGNED_UNSIGNED ON }
Form6.MediaPlayer2.Play();		{ \$WARN
end;		COMBINING_SIGNED_UNSIGNED ON }
end;		{ \$WARN UNSUPPORTED_CONSTRUCT
		ON }
end.		{ \$WARN FILE_OPEN ON }
		{ \$WARN FILE_OPEN_UNITSRC ON }
{ \$A8,B-,C+,D+,E-,F-,G+,H+,I+,J-,K-,L+,M-		{ \$WARN BAD_GLOBAL_SYMBOL ON }
,N-,O+,P+,Q-,R-,S-,T-,U-,V+,W-,X+,Y+,Z1 }		{ \$WARN DUPLICATE_CTOR_DTOR ON }
{ \$MINSTACKSIZE \$00004000 }		{ \$WARN INVALID_DIRECTIVE ON }
{ \$MAXSTACKSIZE \$00100000 }		{ \$WARN PACKAGE_NO_LINK ON }
{ \$IMAGEBASE \$00400000 }		{ \$WARN PACKAGED_THREADVAR ON }
{ \$APPTYPE GUI }		{ \$WARN IMPLICIT_IMPORT ON }
{ \$WARN SYMBOL_DEPRECATED ON }		{ \$WARN HPPEMIT_IGNORED ON }
{ \$WARN SYMBOL_LIBRARY ON }		{ \$WARN NO_RETVAL ON }
{ \$WARN SYMBOL_PLATFORM ON }		{ \$WARN USE_BEFORE_DEF ON }
{ \$WARN SYMBOL_EXPERIMENTAL ON }		{ \$WARN FOR_LOOP_VAR_UNDEF ON }
{ \$WARN UNIT_LIBRARY ON }		{ \$WARN UNIT_NAME_MISMATCH ON }
{ \$WARN UNIT_PLATFORM ON }		{ \$WARN NO_CFG_FILE_FOUND ON }
{ \$WARN UNIT_DEPRECATED ON }		{ \$WARN IMPLICIT_VARIANTS ON }
{ \$WARN UNIT_EXPERIMENTAL ON }		{ \$WARN UNICODE_TO_LOCALE ON }
{ \$WARN HRESULT_COMPAT ON }		{ \$WARN LOCALE_TO_UNICODE ON }
{ \$WARN HIDING_MEMBER ON }		{ \$WARN IMAGEBASE_MULTIPLE ON }
{ \$WARN HIDDEN_VIRTUAL ON }		{ \$WARN SUSPICIOUS_TYPECAST ON }
{ \$WARN GARBAGE ON }		{ \$WARN PRIVATE_PROPACCESSOR ON }
{ \$WARN BOUNDS_ERROR ON }		{ \$WARN UNSAFE_TYPE OFF }
{ \$WARN ZERO_NIL_COMPAT ON }		{ \$WARN UNSAFE_CODE OFF }
{ \$WARN STRING_CONST_TRUNCED ON }		{ \$WARN UNSAFE_CAST OFF }
{ \$WARN FOR_LOOP_VAR_VARPAR ON }		{ \$WARN OPTION_TRUNCATED ON }
{ \$WARN TYPED_CONST_VARPAR ON }		{ \$WARN WIDECHAR_REDUCED ON }
{ \$WARN ASG_TO_TYPED_CONST ON }		{ \$WARN DUPLICATES_IGNORED ON }
{ \$WARN CASE_LABEL_RANGE ON }		{ \$WARN UNIT_INIT_SEQ ON }
{ \$WARN FOR_VARIABLE ON }		{ \$WARN LOCAL_PINVOKE ON }
{ \$WARN CONSTRUCTING_ABSTRACT		{ \$WARN MESSAGE_DIRECTIVE ON }
ON }		

```

{$WARN
TYPEINFO_IMPLICITLY_ADDED ON}
{$WARN RLINK_WARNING ON}
{$WARN IMPLICIT_STRING_CAST ON}
{$WARN IMPLICIT_STRING_CAST_LOSS
ON}
{$WARN EXPLICIT_STRING_CAST OFF}
{$WARN EXPLICIT_STRING_CAST_LOSS
OFF}
{$WARN CVT_WCHAR_TO_ACHAR ON}
{$WARN
CVT_NARROWING_STRING_LOST ON}
{$WARN CVT_ACHAR_TO_WCHAR ON}
{$WARN CVT_WIDENING_STRING_LOST
ON}
{$WARN NON_PORTABLE_TYPECAST
ON}
{$WARN
XML_WHITESPACE_NOT_ALLOWED ON}
{$WARN XML_UNKNOWN_ENTITY ON}
{$WARN XML_INVALID_NAME_START
ON}
{$WARN XML_INVALID_NAME ON}
{$WARN XML_EXPECTED_CHARACTER
ON}
{$WARN XML_CREF_NO_RESOLVE ON}
{$WARN XML_NO_PARM ON}
{$WARN XML_NO_MATCHING_PARM
ON}
{$WARN IMMUTABLE_STRINGS OFF}
unit Lvl1;

interface

uses
    Winapi.Windows, Winapi.Messages,
    System.SysUtils, System.Variants,
    System.Classes, Vcl.Graphics,

```

```

Vcl.Controls, Vcl.Forms, Vcl.Dialogs,
Vcl.ExtCtrls, Vcl.Imaging.pngimage,
Vcl.StdCtrls, CustEdit, Vcl.Buttons;

```

```

type
    TForm5 = class(TForm)
        Image10: TImage;
        Image11: TImage;
        Image12: TImage;
        SpeedButton1: TSpeedButton;
        SpeedButton2: TSpeedButton;
        SpeedButton3: TSpeedButton;
        SpeedButton4: TSpeedButton;
        SpeedButton5: TSpeedButton;
        SpeedButton6: TSpeedButton;
        SpeedButton7: TSpeedButton;
        SpeedButton8: TSpeedButton;
        SpeedButton9: TSpeedButton;
        procedure FormCreate(Sender: TObject);
        procedure FormPaint(Sender: TObject);
        procedure FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
        procedure SpeedButtonClick(Sender:
TObject);

    private
        lives:integer;
        hearts:array of TImage;

    public
        values,board:mas;
        crd:coordinates;
        arr: arrCustomEdit;
        procedure Validate(Sender: TObject);
    end;

var

```

```

Form5: TForm5;

implementation

uses levelSelection, menu;

{$R *.dfm}

procedure TForm5.Validate(Sender: TObject);
begin
    var i := (Sender as TMyCustomEdit).iParam;
    var j := (Sender as TMyCustomEdit).jParam;

    if arr[i,j].text = '0' then
        arr[i,j].text := "";

    if (Sender as TMyCustomEdit).text <> " then
        if arr[i,j].text <> intToStr(values[i,j]) then
            begin
                (Sender as TMyCustomEdit).color := clred;
                form8.playThisSound('error_00' +
intToStr(GetRandomInRange(2,3)) + '.mp3');
                lives := lives - 1;

                hearts[lives].picture.LoadFromFile(extractfilep
ath(application.ExeName) +
'\assets\hearts\blackHeart.png');
            end
            else
                (Sender as TMyCustomEdit).color :=
(Sender as TMyCustomEdit).editColor;
                if lives = 0 then
                    begin

                        showmessage('Вы проиграли');
                        form6.show();
                        self.hide;

```

```

        lives := 3;
        for var m := 0 to 2 do

            hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName) +
'\assets\hearts\redHeart.png');
            setNumbers(arr, values, 40);
        end;

        if (checkEmpty(arr)) and (arr[i,j].text =
intToStr(values[i,j])) then
            begin
                showMessage('Прошел');
                form6.show();
                self.hide;
                lives := 3;
                for var m := 0 to 2 do

                    hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName) +
'\assets\hearts\redHeart.png');
                    setNumbers(arr, values, 40);

                end;
            end;

        procedure TForm5.FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
        begin
            form8.playThisSound('close_001.mp3');
            form6.Show;
            self.Hide;
            lives := 3;
            for var m := 0 to 2 do

                hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName) +
'\assets\hearts\redHeart.png');

```

```

    setNumbers(arr, values, 40);
end;

procedure TForm5.SpeedButtonClick(Sender:
TObject);
begin
    setNum(arr, (Sender as TSpeedButton).tag);
end;

procedure TForm5.FormCreate(Sender:
TObject);
begin
    self.Color := rgb(189, 224, 255);
    lives := 3;
    hearts := [image10, image11, image12];
    for var i := 0 to 2 do

hearts[i].picture.LoadFromFile(extractfilepath(
application.ExeName) +
'\assets\hearts\redHeart.png');

speedbutton1.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\1.bmp');

speedbutton2.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\2.bmp');

speedbutton3.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\3.bmp');

speedbutton4.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\4.bmp');

speedbutton5.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\5.bmp');

speedbutton6.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\6.bmp');

speedbutton7.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\7.bmp');

speedbutton8.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\8.bmp');

speedbutton9.Glyph.LoadFromFile(extractfilepath(application.ExeName) +
'\assets\LelvelButtons\9.bmp');

    crd := [
[ [0,0], [0,0], [0,0], [0,0], [0,0], [0,0], [0,0],
[0,0], [312,32], [0,0], [0,0], [0,0], [0,0]],
[ [0,0], [0,0], [102,74], [136,96], [168,74],
[208,96], [240,74], [280,96], [312,74],
[350,96], [0,0], [0,0], [0,0]],
[ [0,0], [0,0], [102,155], [136,135], [170,155],
[208,135], [240,155], [280,135], [312,155],
[350,135], [384,155], [0,0], [0,0]],
[ [0,0], [64,219], [102,200], [136,219],
[170,200], [0,0], [0,0], [0,0], [312,194],
[350,219], [384,200], [416,219], [456,200]],
[ [27,275], [64,258], [102,275], [136,258],
[170,275], [0,0], [0,0], [0,0], [312,275],
[350,258], [384,275], [416,258], [0,0]],

```

```
[ [0,0], [0,0], [102,322], [136,338], [170,322],
[208,338], [240,322], [280,338], [312,322],
[350,338], [384,322], [0,0], [0,0]],
[ [0,0], [0,0], [0,0], [136,386], [170,402],
[208,386], [240,402], [280,386], [312,402],
[350,386], [384,402], [0,0], [0,0]],
[ [0,0], [0,0], [0,0], [0,0], [170,441], [0,0],
[0,0], [0,0], [0,0], [0,0], [0,0], [0,0], [0,0]]];
```

```
board := [
[0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0],
[0, 0, 2, 2, 2, 2, 2, 3, 3, 3, 0, 0, 0],
[0, 0, 1, 2, 2, 2, 3, 3, 3, 3, 3, 0, 0],
[0, 1, 1, 1, 2, 0, 0, 0, 4, 4, 4, 4, 4],
[1, 1, 1, 1, 1, 0, 0, 0, 5, 4, 4, 4, 0],
[0, 0, 6, 6, 6, 6, 6, 5, 5, 5, 4, 0, 0],
[0, 0, 0, 6, 6, 6, 5, 5, 5, 5, 5, 0, 0],
[0, 0, 0, 0, 6, 0, 0, 0, 0, 0, 0, 0, 0]];
```

```
values := [
[0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0],
[0, 0, 4, 8, 6, 7, 1, 5, 3, 9, 0, 0, 0],
[0, 0, 1, 3, 9, 5, 2, 7, 4, 8, 6, 0, 0],
[0, 7, 9, 8, 2, 0, 0, 0, 6, 3, 4, 5, 1],
[2, 5, 4, 3, 6, 0, 0, 0, 1, 8, 9, 7, 0],
[0, 0, 6, 8, 4, 5, 1, 7, 9, 3, 2, 0, 0],
[0, 0, 0, 9, 3, 7, 2, 5, 6, 4, 8, 0, 0],
[0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0]
];
```

```
filledit(board, crd, self, arr, validate, rgb(44,
93, 200), rgb(71, 183, 201));
setNumbers(arr, values, 40);
end;
```

```
procedure TForm5.FormPaint(Sender:
TObject);
```

```
begin
drawTriangles(Canvas, 75, 70, 70, self, True,
rgb(44, 93, 200));
drawTriangles(Canvas, 75+210, 192, 70, self,
True, rgb(44, 93, 200));
drawTriangles(Canvas, 75, 313, 70, self, True,
rgb(44, 93, 200));
drawTriangles(Canvas, 75+140, 192, 70, self,
False, rgb(71, 183, 201));
drawTriangles(Canvas, 75-70, 313, 70, self,
False, rgb(71, 183, 201));
drawTriangles(Canvas, 75+140, 70+365, 70,
self, False, rgb(71, 183, 201));
end;
```

```
end.
```

```
unit Lvl2;
```

```
interface
```

```
uses
Winapi.Windows, Winapi.Messages,
System.SysUtils, System.Variants,
System.Classes, Vcl.Graphics,
Vcl.Controls, Vcl.Forms, Vcl.Dialogs,
Vcl.ExtCtrls, Vcl.Imaging.pngimage,
Vcl.StdCtrls, CustEdit, Vcl.Buttons;
```

```
type
```

```
TForm1 = class(TForm)
Image10: TImage;
Image11: TImage;
Image12: TImage;
SpeedButton1: TSpeedButton;
SpeedButton2: TSpeedButton;
SpeedButton3: TSpeedButton;
SpeedButton4: TSpeedButton;
```

```

SpeedButton5: TSpeedButton;
SpeedButton6: TSpeedButton;
SpeedButton7: TSpeedButton;
SpeedButton8: TSpeedButton;
SpeedButton9: TSpeedButton;
procedure FormPaint(Sender: TObject);
procedure      FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
procedure      FormCreate(Sender: TObject);
procedure      SpeedButton1Click(Sender:
TObject);
private
  lives:integer;
  hearts:array of TImage;
  { Private declarations }
public
  values,board:mas;
  crd:coordinates;
  arr: arrCustomEdit;
  procedure Validate(Sender: TObject);
  { Public declarations }
end;

var
  form1: TForm1;

implementation

{$R *.dfm}

uses LevelSelection, menu;

procedure TForm1.FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
begin
  form6.Show;
  self.hide;
  form8.playThisSound('close_001.mp3');

  lives := 3;
  for var m := 0 to 2 do
    hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName)
+
'\assets\hearts\redHeart.png');
    setNumbers(arr, values, 35);
  end;

  procedure TForm1.Validate(Sender: TObject);
  begin
    var i := (Sender as TMyCustomEdit).iParam;
    var j := (Sender as TMyCustomEdit).jParam;

    if arr[i,j].text = '0' then
      arr[i,j].text := "";

    if (Sender as TMyCustomEdit).text <> " then
      if arr[i,j].text <> intToStr(values[i,j]) then
        begin
          (Sender as TMyCustomEdit).color := clred;
          lives := lives - 1;

          hearts[lives].picture.LoadFromFile(extractfilep
ath(application.ExeName)
+
'\assets\hearts\blackHeart.png');
        end
      else
        (Sender as TMyCustomEdit).color :=
(Sender as TMyCustomEdit).editColor;
        if lives = 0 then
          begin
            showmessage('Вы проиграли');
            form6.show();
            self.hide;
            lives := 3;
            for var m := 0 to 2 do

```


hearts[m].picture.LoadFromFile(extractfilepath (application.ExeName) + '\assets\hearts\redHeart.png'); setNumbers(arr, values, 35); end; if (checkEmpty(arr)) and (arr[i,j].text = intToStr(values[i,j])) then begin showMessage('Прошел'); form6.show(); self.hide; lives := 3; for var m := 0 to 2 do hearts[m].picture.LoadFromFile(extractfilepath (application.ExeName) + '\assets\hearts\redHeart.png'); setNumbers(arr, values, 35); end; end; procedure TForm1.FormCreate(Sender: TObject); begin self.Color := rgb(139, 252, 182); lives := 3; hearts := [image10, image11, image12]; for var i := 0 to 2 do hearts[i].picture.LoadFromFile(extractfilepath(application.ExeName) + '\assets\hearts\redHeart.png');	speedbutton1.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g1.bmp'); speedbutton2.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g2.bmp'); speedbutton3.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g3.bmp'); speedbutton4.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g4.bmp'); speedbutton5.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g5.bmp'); speedbutton6.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g6.bmp'); speedbutton7.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g7.bmp'); speedbutton8.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g8.bmp'); speedbutton9.Glyph.LoadFromFile(extractfilep ath(application.ExeName) + '\assets\LelvelButtons\g9.bmp');
--	--

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```

crd := [[ [0,0], [0,0], [0,0], [0,0], [0,0], [0,0],
[0,0], [0,0], [312,32], [0,0], [0,0], [0,0],
[0,0]],
[ [0,0], [0,0], [102,74], [136,96], [168,74],
[208,96], [240,74], [280,96], [312,74],
[350,96], [0,0], [0,0], [0,0]],
[ [0,0], [0,0], [102,155], [136,135], [170,155],
[208,135], [240,155], [280,135], [312,155],
[350,135], [384,155], [0,0], [0,0]],
[ [0,0], [64,219], [102,200], [136,219],
[170,200], [0,0], [0,0], [0,0], [312,194],
[350,219], [384,200], [416,219], [456,200]],
[ [27,275], [64,258], [102,275], [136,258],
[170,275], [0,0], [0,0], [0,0], [312,275],
[350,258], [384,275], [416,258], [0,0]],
[ [0,0], [0,0], [102,322], [136,338], [170,322],
[208,338], [240,322], [280,338], [312,322],
[350,338], [384,322], [0,0], [0,0]],
[ [0,0], [0,0], [0,0], [136,386], [170,402],
[208,386], [240,402], [280,386], [312,402],
[350,386], [384,402], [0,0], [0,0]],
[ [0,0], [0,0], [0,0], [0,0], [170,441], [0,0],
[0,0], [0,0], [0,0], [0,0], [0,0], [0,0], [0,0]]];

```

```

board := [
[0, 0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0],
[0, 0, 2, 2, 2, 2, 2, 3, 3, 3, 0, 0, 0],
[0, 0, 1, 2, 2, 2, 3, 3, 3, 3, 3, 0, 0],
[0, 1, 1, 1, 2, 0, 0, 0, 4, 4, 4, 4, 4],
[1, 1, 1, 1, 1, 0, 0, 0, 5, 4, 4, 4, 0],
[0, 0, 6, 6, 6, 6, 6, 5, 5, 5, 4, 0, 0],
[0, 0, 0, 6, 6, 6, 5, 5, 5, 5, 5, 0, 0],
[0, 0, 0, 0, 6, 0, 0, 0, 0, 0, 0, 0, 0]];

```

```

values := [
[0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0],
[0, 0, 4, 8, 6, 7, 1, 5, 3, 9, 0, 0, 0],

```

```

[0, 0, 1, 3, 9, 5, 2, 7, 4, 8, 6, 0, 0],
[0, 7, 9, 8, 2, 0, 0, 0, 6, 3, 4, 5, 1],
[2, 5, 4, 3, 6, 0, 0, 0, 1, 8, 9, 7, 0],
[0, 0, 6, 8, 4, 5, 1, 7, 9, 3, 2, 0, 0],
[0, 0, 0, 9, 3, 7, 2, 5, 6, 4, 8, 0, 0],
[0, 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 0, 0]
];

```

```

filledit(board, crd, self, arr, validate, rgb(105,
198, 123), rgb(12, 154, 39));
setNumbers(arr, values, 35);
end;

```

```

procedure TForm1.FormPaint(Sender:
TObject);
begin
drawTriangles(Canvas, 75, 70, 70, self, True,
rgb(105, 198, 123));
drawTriangles(Canvas, 75+210, 192, 70, self,
True, rgb(105, 198, 123));
drawTriangles(Canvas, 75, 313, 70, self, True,
rgb(105, 198, 123));
drawTriangles(Canvas, 75+140, 192, 70, self,
False, rgb(12, 154, 39));
drawTriangles(Canvas, 75-70, 313, 70, self,
False, rgb(12, 154, 39));
drawTriangles(Canvas, 75+140, 70+365, 70,
self, False, rgb(12, 154, 39));

```

```
end;
```

```

procedure TForm1.SpeedButton1Click(Sender:
TObject);
begin
setNum(arr, (Sender as TSpeedButton).tag);
end;

```

```

end.

unit Lvl3;

interface

uses
    Winapi.Windows,      Winapi.Messages,
    System.SysUtils,     System.Variants,
    System.Classes, Vcl.Graphics,
    Vcl.Controls,    Vcl.Forms,    Vcl.Dialogs,
    CustEdit, Vcl.Buttons,
    Vcl.Imaging.pngimage, Vcl.ExtCtrls;

type
    TForm7 = class(TForm)
        Image10: TImage;
        Image11: TImage;
        Image12: TImage;
        SpeedButton1: TSpeedButton;
        SpeedButton2: TSpeedButton;
        SpeedButton3: TSpeedButton;
        SpeedButton4: TSpeedButton;
        SpeedButton5: TSpeedButton;
        SpeedButton6: TSpeedButton;
        SpeedButton7: TSpeedButton;
        SpeedButton8: TSpeedButton;
        SpeedButton9: TSpeedButton;
        procedure FormPaint(Sender: TObject);
        procedure FormCreate(Sender: TObject);
        procedure SpeedButton1Click(Sender:
TObject);
        procedure FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
    private
        lives: integer;
        hearts: array of TImage;
    public
        values, board: mas;
        crd: coordinates;
        arr: arrCustomEdit;
        procedure Validate(Sender: TObject);
    end;

var
    Form7: TForm7;

implementation

{$R *.dfm}

Uses levelSelection, menu;

procedure TForm7.Validate(Sender: TObject);
begin
    var i := (Sender as TMyCustomEdit).iParam;
    var j := (Sender as TMyCustomEdit).jParam;

    if arr[i,j].text = '0' then
        arr[i,j].text := '';

    if (Sender as TMyCustomEdit).text <> '' then
        if arr[i,j].text <> intToStr(values[i,j]) then
            begin
                (Sender as TMyCustomEdit).color := clred;
                lives := lives - 1;

                hearts[lives].picture.LoadFromFile(extractfilep
ath(application.ExeName)
                +
                '\assets\hearts\blackHeart.png');
            end
            else
                (Sender as TMyCustomEdit).color :=
                (Sender as TMyCustomEdit).editColor;
            if lives = 0 then

```

```

begin
  showmessage('Вы проиграли');
  form6.show();
  self.hide;
  lives := 3;
  for var m := 0 to 2 do
    hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName)
+
'\assets\hearts\redHeart.png');
    setNumbers(arr, values, 30);
  end;

  if (checkEmpty(arr)) and (arr[i,j].text =
intToStr(values[i,j])) then
    begin
      showMessage('Прошел');
      form6.show();
      self.hide;
      lives := 3;
      for var m := 0 to 2 do
        hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName)
+
'\assets\hearts\redHeart.png');
        setNumbers(arr, values, 30);
      end;
    end;

procedure TForm7.FormCloseQuery(Sender:
TObject; var CanClose: Boolean);
begin
  self.Hide;
  form6.show;
  form8.playThisSound('close_001.mp3');
  lives := 3;
  for var m := 0 to 2 do
    hearts[m].picture.LoadFromFile(extractfilepath
(application.ExeName)
+
'\assets\hearts\redHeart.png');
    setNumbers(arr, values, 30);
  end;

  speedbutton1.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)
+
'\assets\LelvelButtons\r1.bmp');

  speedbutton2.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)
+
'\assets\LelvelButtons\r2.bmp');

  speedbutton3.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)
+
'\assets\LelvelButtons\r3.bmp');

  speedbutton4.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)
+
'\assets\LelvelButtons\r4.bmp');

  speedbutton5.Glyph.LoadFromFile(extractfilep

```

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```

ath(application.ExeName)          +      [ [0,0], [0,0], [0,0], [136,386], [170,402],
'\assets\LelvelButtons\r5.bmp');    [208,386], [240,402], [280,386], [312,402],
                                     [350,386], [384,402], [0,0], [0,0]],
speedbutton6.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)          +      [ [0,0], [0,0], [0,0], [0,0], [170,441], [0,0],
'\assets\LelvelButtons\r6.bmp');    [0,0], [0,0], [0,0], [0,0], [0,0], [0,0], [0,0]]];

speedbutton7.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)          +      board := [
'\assets\LelvelButtons\r7.bmp');    [0, 0, 0, 0, 0, 0, 0, 0, 3, 0, 0, 0, 0],
                                     [0, 0, 2, 2, 2, 2, 2, 3, 3, 3, 0, 0, 0],
                                     [0, 0, 1, 2, 2, 2, 3, 3, 3, 3, 3, 0, 0],
                                     [0, 1, 1, 1, 2, 0, 0, 0, 4, 4, 4, 4, 4],
                                     [1, 1, 1, 1, 1, 0, 0, 0, 5, 4, 4, 4, 0],
                                     [0, 0, 6, 6, 6, 6, 6, 5, 5, 5, 4, 0, 0],
                                     [0, 0, 0, 6, 6, 6, 5, 5, 5, 5, 5, 0, 0],
                                     [0, 0, 0, 0, 6, 0, 0, 0, 0, 0, 0, 0, 0]];

speedbutton8.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)          +      values := [
'\assets\LelvelButtons\r8.bmp');    [0, 0, 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0],
                                     [0, 0, 8, 9, 5, 6, 2, 4, 1, 3, 0, 0, 0],
                                     [0, 0, 2, 4, 1, 3, 7, 5, 6, 9, 8, 0, 0],
                                     [0, 1, 3, 5, 7, 0, 0, 0, 8, 9, 4, 6, 2],
                                     [7, 6, 4, 8, 9, 0, 0, 0, 2, 3, 1, 5, 0],
                                     [0, 0, 9, 3, 6, 4, 2, 5, 1, 8, 7, 0, 0],
                                     [0, 0, 0, 8, 5, 1, 7, 6, 3, 4, 9, 0, 0],
                                     [0, 0, 0, 0, 7, 0, 0, 0, 0, 0, 0, 0, 0]
                                     ];

speedbutton9.Glyph.LoadFromFile(extractfilep
ath(application.ExeName)          +      filledit(board, crd, self, arr, validate, rgb(255,
'\assets\LelvelButtons\r9.bmp');    67, 67), rgb(241, 138, 138));

                                     setNumbers(arr, values, 30);
                                     end;

crd := [[ [0,0], [0,0], [0,0], [0,0], [0,0], [0,0],
[0,0], [0,0], [312,32], [0,0], [0,0], [0,0],
[0,0]],
[ [0,0], [0,0], [102,74], [136,96], [168,74],
[208,96], [240,74], [280,96], [312,74],
[350,96], [0,0], [0,0], [0,0]],
[ [0,0], [0,0], [102,155], [136,135], [170,155],
[208,135], [240,155], [280,135], [312,155],
[350,135], [384,155], [0,0], [0,0]],
[ [0,0], [64,219], [102,200], [136,219],
[170,200], [0,0], [0,0], [0,0], [312,194],
[350,219], [384,200], [416,219], [456,200]],
[ [27,275], [64,258], [102,275], [136,258],
[170,275], [0,0], [0,0], [0,0], [312,275],
[350,258], [384,275], [416,258], [0,0]],
[ [0,0], [0,0], [102,322], [136,338], [170,322],
[208,338], [240,322], [280,338], [312,322],
[350,338], [384,322], [0,0], [0,0]],

```

```

    drawTriangles(Canvas, 75+210, 192, 70, self,
True, rgb(255, 67, 67));
    drawTriangles(Canvas, 75, 313, 70, self, True,
rgb(255, 67, 67));
    drawTriangles(Canvas, 75+140, 192, 70, self,
False, rgb(241, 138, 138));
    drawTriangles(Canvas, 75-70, 313, 70, self,
False, rgb(241, 138, 138));
    drawTriangles(Canvas, 75+140, 70+365, 70,
self, False, rgb(241, 138, 138));

end;

procedure TForm7.SpeedButton1Click(Sender:
TObject);
begin
    setNum(arr, (Sender as TSpeedButton).tag);
end;
end.

```

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