





3.1.

$n$

$S_1 := 1$   
 $S_2 := 1 + 2 := S_1 + 2$   
 $S_3 := 1 + 2 + 3 := S_2 + 3$   
 $\dots$   
 $S_n := 1 + 2 + 3 + \dots + n := S_{n-1} + n$

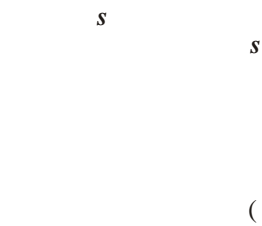
$S_1 := 1$   
 $S_2 := S_1 + 2$   
 $S_3 := S_2 + 3$   
 $\dots$   
 $S_n := S_{n-1} + n$

$S := 1$   
 $S := S + 2$   
 $S := S + 3$   
 $\dots$   
 $S := S + n$

$s := 1$   
 $s := s + 2$   
 $s := s + 3$   
 $\dots$   
 $s := s + n$

$s := 1$   
 $s := s + 2$   
 $s := s + 3$   
 $\dots$   
 $s := s + n$

$s := 1;$   
 for  $i := 2$  to  $n$  do  $s := s + i;$



```

procedure TForm1.Button1Click(Sender: TObject);
var n,s,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=0;
      For i:=1 to n do s:=s+i;
      Edit2.Text:=IntToStr(s);
end;

```

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

```

$s := s + i$



**repeat:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=n;
      Repeat n:=n-1;s:=s+n;
      Until n<=1;
      Edit2.Text:=IntToStr(s);
end;

```

**while:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=n;
      While n>1 do
      begin n:=n-1;s:=s+n;
      end;
      Edit2.Text:=IntToStr(s);
end;

```

**3.2.**

2.

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=0;
      For i:=1 to n do s:=s+2*i;
      Edit2.Text:=IntToStr(s);
end;

```

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

```

**repeat:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=2*n;
      Repeat n:=n-1;s:=s+2*n;
      Until n<=1;
      Edit2.Text:=IntToStr(s);
end;

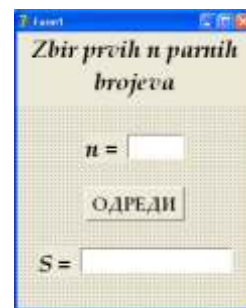
```

**while:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      s:=2*n;
      While n>1 do
      begin n:=n-1;s:=s+2*n;
      end;
      Edit2.Text:=IntToStr(s);
end;

```



## 3.3.

*n.*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<1 then n:=1;
      Edit1.Text:=IntToStr(n);
      s:=1;
      For i:=2 to n do
        If Odd(i) then s:=s+i;
      Edit2.Text:=IntToStr(s);
end;
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

```

*repeat:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<1 then n:=1;
      Edit1.Text:=IntToStr(n);
      If not Odd(n) then n:=n-1;
      s:=0;
      Repeat s:=s+n;n:=n-2;
      Until n<1;
      Edit2.Text:=IntToStr(s);
end;

```

*while:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<1 then n:=1;
      Edit1.Text:=IntToStr(n);
      If not Odd(n) then n:=n-1;
      s:=n;
      While n>1 do
        begin n:=n-2;s:=s+n;
        end;
      Edit2.Text:=IntToStr(s);
end;

```

*repeat while.*

0,

,

).

## 3.4.

*n.*

1

```

procedure TForm1.Button1Click(Sender: TObject);
var n,f,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<0 then n:=0;
      Edit1.Text:=IntToStr(n);
      f:=1;
      For i:=2 to n do f:=f*i;
      Edit2.Text:=IntToStr(f);
end;
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

```



**repeat:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,f:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<0 then n:=0;
      Edit1.Text:=IntToStr(n);
      f:=1;
      Repeat f:=f*n;n:=n-1;
      Until n<1;
      Edit2.Text:=IntToStr(f);
end;

```

**while:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,f:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<0 then n:=0;
      Edit1.Text:=IntToStr(n);
      f:=1;
      While n>1 do
      begin n:=n-1;s:=s+n;
      end;
      Edit2.Text:=IntToStr(f);
end;

```

3.5.

**n-****b.****Edit1Change**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

```

**Object Inspector- Events**  
**OnChange** ( )  
 ).

**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,s,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<0 then n:=0;
      Edit1.Text:=IntToStr(n);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      s:=1;
      For i:=1 to n do s:=s*b;
      Edit3.Text:=IntToStr(s);
end;

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

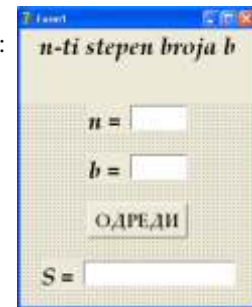
```

**repeat:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      If n<0 then n:=0;
      Edit1.Text:=IntToStr(n);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      s:=1;
      If n>0 then
      Repeat s:=s*b;n:=n-1;
      Until n<1;
      Edit3.Text:=IntToStr(s);
end;

```



*while:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
  If n<0 then n:=0;
  Edit1.Text:=IntToStr(n);
  b:=StrToIntDef(Edit2.Text,1);
  Edit2.Text:=IntToStr(b);
  s:=1;
  While n>0 do
  begin n:=n-1;s:=s*b;
  end;
  Edit3.Text:=IntToStr(s);
end;

```

3.6.

*m n, m n*

*Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

```

*Object Inspector- Events*  
*OnChange (*

*Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n,s,i:integer;
begin m:=StrToIntDef(Edit1.Text,1);
  Edit1.Text:=IntToStr(m);
  n:=StrToIntDef(Edit2.Text,1);
  Edit2.Text:=IntToStr(n);
  If m>n then begin s:=m;m:=n;n:=s; // zamena vrednosti dve promenljive
  end;
  s:=0;
  For i:=m to n do s:=s+i;
  Edit3.Text:=IntToStr(s);
end;

```



*Repeat While.*

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n,s:integer;
begin m:=StrToIntDef(Edit1.Text,1);
  Edit1.Text:=IntToStr(m);
  n:=StrToIntDef(Edit2.Text,1);
  Edit2.Text:=IntToStr(n);
  s:=n;
  If m<>n then Repeat s:=s+m;m:=m+(n-m)div Abs(n-m);
  Until m=n;
  Edit3.Text:=IntToStr(s);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n,s:integer;
begin m:=StrToIntDef(Edit1.Text,1);
  Edit1.Text:=IntToStr(m);
  n:=StrToIntDef(Edit2.Text,1);
  Edit2.Text:=IntToStr(n);
  s:=n;
  While m<>n do begin s:=s+m;m:=m+(n-m)div Abs(n-m);
  end;
  Edit3.Text:=IntToStr(s);
end;

```

## 3.7.

*m n, m n*

**Edit1Change**

```
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;Edit4.Clear;
end;
```

**Object Inspector- Events**  
**OnChange**

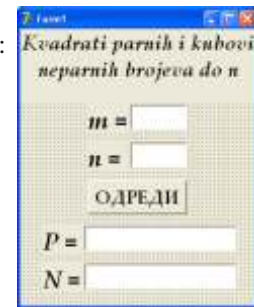
**Button1Click:**

```
procedure TForm1.Button1Click(Sender: TObject);
var m,n,p,q,i:integer;
begin m:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(m);
      n:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(n);
      If m>n then begin s:=m;m:=n;n:=s;
                  end;
      p:=0;q:=0;
      For i:=m to n do
        If Odd(i)
          then q:=q+i*i*i
          else p:=p+i*i;
      Edit3.Text:=IntToStr(p);
      Edit4.Text:=IntToStr(q);
end;
```

**Repeat While.**

```
procedure TForm1.Button1Click(Sender: TObject);
var m,n,p,q:integer;
begin m:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(m);
      n:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(n);
      p:=0;q:=0;
      If Odd(n)
        then q:=n*n*n
        else p:=p+n*n;
      If m<>n then
        Repeat If Odd(m)
          then q:=q+m*m*m
          else p:=p+m*m;
          m:=m+(n-m)div Abs(n-m);
        Until m=n;
      Edit3.Text:=IntToStr(p);
      Edit4.Text:=IntToStr(q);
end;
```

```
procedure TForm1.Button1Click(Sender: TObject);
var m,n,p,q:integer;
begin m:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(m);
      n:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(n);
      p:=0;q:=0;
      If Odd(n)
        then q:=n*n*n
        else p:=p+n*n;
      While m<>n do
        begin If Odd(m)
          then q:=q+m*m*m
          else p:=p+m*m;
          m:=m+(n-m)div Abs(n-m);
        end;
      Edit3.Text:=IntToStr(p);
      Edit4.Text:=IntToStr(q);
end;
```



3.8.

*m n,**m n**n***Edit1Change**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

```

**Object Inspector- Events**  
**OnChange**

**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n,i:integer;
    s:real;
begin m:=Abs(StrToIntDef(Edit1.Text,1));
      Edit1.Text:=IntToStr(m);
      n:=Abs(StrToIntDef(Edit2.Text,1));
      Edit2.Text:=IntToStr(n);
      If m>n then begin s:=m;m:=n;n:=s;
                    end;
      If m=0 then m:=1;
      s:=0;
      For i:=m to n do s:=s+1/i;
      Edit3.Text:=Format('%15.13f',[s]);
end;

```

**Abs**

0.

( :

**Format**0,  
15-3 5  
0  
13**Repeat While.**

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n:integer;
    s:real;
begin m:=Abs(StrToIntDef(Edit1.Text,1));
      If m=0 then m:=1;
      Edit1.Text:=IntToStr(m);
      n:=Abs(StrToIntDef(Edit2.Text,1));
      If n=0 then n:=1;
      Edit2.Text:=IntToStr(n);
      s:=1/n;
      If m<>n then
        Repeat s:=s+1/m;
                m:=m+(n-m)div Abs(n-m);
        Until m=n;
      Edit3.Text:=Format('%15.13f',[s]);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var m,n:integer;
    s:real;
begin m:=Abs(StrToIntDef(Edit1.Text,1));
      If m=0 then m:=1;
      Edit1.Text:=IntToStr(m);
      n:=Abs(StrToIntDef(Edit2.Text,1));
      If n=0 then n:=1;
      Edit2.Text:=IntToStr(n);
      s:=1/n;
      While m<>n do
        begin s:=s+1/m;
              m:=m+(n-m)div Abs(n-m);
        end;
      Edit3.Text:=Format('%15.13f',[s]);
end;

```



3.9.

( ).

Object Tree View



Object Inspector-  
OnCreate)

Form1 (  
Events

```

procedure TForm1.FormCreate(Sender: TObject);
var i,c1,c2,c3,p:integer;
begin Memol.Clear;
  For i:=111 to 999 do
  begin c1:=i mod 10;
    c2:=i div 10 mod 10;
    c3:=i div 100;
    p:=c1*c2*c3;
    If (p>0)and(i mod p=0) then
      Memol.Lines.Add(IntToStr(i));
  end;
end;

```

repeat while:

```

procedure TForm1.FormCreate(Sender: TObject);
var i,c1,c2,c3,p:integer;
begin Memol.Clear;
  i:=111;
  Repeat c1:=i mod 10;
    c2:=i div 10 mod 10;
    c3:=i div 100;
    p:=c1*c2*c3;
    If (p>0)and(i mod p=0) then
      Memol.Lines.Add(IntToStr(i));
    i:=i+1;
  until i=1000;
end;

```

```

procedure TForm1.FormCreate(Sender: TObject);
var i,c1,c2,c3,p:integer;
begin Memol.Clear;
  i:=111;
  While i<1000 do
  begin c1:=i mod 10;
    c2:=i div 10 mod 10;
    c3:=i div 100;
    p:=c1*c2*c3;
    If (p>0)and(i mod p=0) then
      Memol.Lines.Add(IntToStr(i));
    i:=i+1;
  end;
end;

```

3.10.

( ).



false,

true).

Edit1Change



```

procedure TForm1.Edit1Change(Sender: TObject);
begin Label3.Caption:='';
end;

```

Button1Click:

```

procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
    p:boolean;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      p:=true;
      For i:=2 to n div 2 do
        If n mod i=0 then p:=false;
      If p
        then Label3.Caption:='Broj je prost'
        else Label3.Caption:='Broj nije prost';
end;

```

*repeat while:*

```

procedure TForm1.Button1Click(Sender: TObject);
var d,n:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      d:=1;
      Repeat d:=d+1;
      until (d>Sqrt(n))or(n mod d=0);
      If d>Sqrt(n)
        then Label3.Caption:='Broj je prost'
        else Label3.Caption:='Broj nije prost';
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var d,n:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      d:=2;
      While (d<=Sqrt(n))and(n mod d<>0) do d:=d+1;
      If d>Sqrt(n)
        then Label3.Caption:='Broj je prost'
        else Label3.Caption:='Broj nije prost';
end;

```

### 3.11.

*n.*

1

(

).

*n*

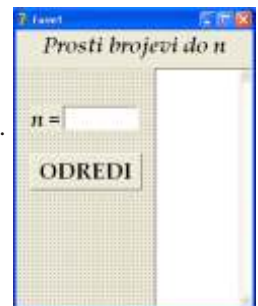
*Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Memol.Clear;
end;

```

*Button1Click:*



```

procedure TForm1.Button1Click(Sender: TObject);
var n,i,b:integer;
    p:boolean;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Memol.Clear;
      For b:=1 to n do
        begin p:=true;
              For i:=2 to b div 2 do
                If b mod i=0 then p:=false;
              If p then Memol.Lines.Add(IntToStr(b));
        end;
end;

```

*repeat while:*



**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,d,n:integer;
    p:boolean;
    r:string;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      a:=n-1;b:=n+1;r:='';
      Repeat p:=false;d:=1;a:=a+1;
            Repeat d:=d+1;
                  until (d>Sqrt(a))or(a mod d=0);
                  p:=d>Sqrt(a);
                  If p then r:=IntToStr(a);
                  p:=false;
                  d:=1;b:=b-1;
                  Repeat d:=d+1;
                          until (d>Sqrt(b))or(b mod d=0);
                          p:=d>Sqrt(b);
                          If p then
                                If (Length(r)>0)and(a<>b)
                                      then r:=r+' i '+IntToStr(b)
                                      else r:=IntToStr(b);
            until Length(r)>0;
            Label3.Caption:=r;
end;

procedure TForm1.Button1Click(Sender: TObject);
var a,b,d,n:integer;
    p:boolean;
    r:string;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      a:=n-1;b:=n+1;r:='';
      While Length(r)=0 do
            begin p:=false;d:=2;a:=a+1;
                  While (d<=Sqrt(n))and(n mod d<>0) do d:=d+1;
                  p:=d>Sqrt(a);
                  If p then r:=IntToStr(a);
                  p:=false;d:=2;b:=b-1;
                  While (d<=Sqrt(n))and(n mod d<>0) do d:=d+1;
                  p:=d>Sqrt(b);
                  If p then
                          If (Length(r)>0)and(a<>b)
                                then r:=r+' i '+IntToStr(b)
                                else r:=IntToStr(b);
            end;
            Label3.Caption:=r;
end;
end;

```

**3.13.**

1

**Edit1Change:**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Label3.Caption:='';
end;

```

**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      For i:=1 to n do
            If i*i<n then Label3.Caption:='Trazeni broj je'+IntToStr(i);
end;

```

**: i:=Trunc(Sqrt(n));**



## 3.14.

1

**Edit1Change:**

```
procedure TForm1.Edit1Change(Sender: TObject);
begin Label3.Caption:='';
end;
```

**Button1Click:**

```
procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      For i:=n downto 1 do
        If i*i*i>n then Label3.Caption:='Trazeni broj je'+IntToStr(i);
end;
```



```
procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      i:=0;
      Repeat i:=i+1;
      Until i*i*i>n;
      Label3.Caption:='Trazeni broj je'+IntToStr(i);
end;
```

```
procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      i:=0;
      While i*i*i<=n do i:=i+1;
      Label3.Caption:='Trazeni broj je'+IntToStr(i);
end;
```

***i := Round(Exp(1/3\*log(n)+0.51));***

## 3.15.

1

**Edit1Change:**

```
procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;
```

**Button1Click:**

```
procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      For i:=1 to n do
        If n mod i=0 then Mem1.Lines.Add(IntToStr(i));
end;
```



```
procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;i:=1;
      Repeat If n mod i=0 then Mem1.Lines.Add(IntToStr(i));
            i:=i+1;
      Until i>=n;
end;
```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;i:=0;
      While i<n do
      begin i:=i+1;
           If n mod i=0 then Mem1.Lines.Add(IntToStr(i));
      end;
end;

```

**3.16.***for**Edit1Change:*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

```

*Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,d:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;d:=2;
      Mem1.Lines.Add('1');
      Repeat If n mod d=0 then
            begin Mem1.Lines.Add(IntToStr(d));
                  Repeat n:=n div d;
                        until n mod d<>0;
            end;
            d:=d+1;
      Until d>=n;
end;

```



```

procedure TForm1.Button1Click(Sender: TObject);
var n,d:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;d:=2;
      Mem1.Lines.Add('1');
      While d<n do
      If n mod d=0 then
      then begin Mem1.Lines.Add(IntToStr(d));
                While n mod d=0 do n:=n div d;
            end
            else d:=d+1;
      end;
end;

```

**3.17.***for**Edit1Change:*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

```

*Button1Click*

```

repeat:
procedure TForm1.Button1Click(Sender: TObject);
var b,d:integer;
begin b:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(b);
      Label3.Caption:=IntToStr(b)+' = 1';

```



```

    If b>1 then
    begin d:=2;
        Repeat If b mod d=0 then
            Repeat b:=b div d;
                Label3.Caption:=Label3.Caption+' * '+IntToStr(d);
            Until b mod d<>0;
            d:=d+1;
        Until b=1;
    end;
end;

```

*while:*

```

procedure TForm1.Button1Click(Sender: TObject);
var b,d:integer;
begin b:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(b);
    Label3.Caption:=IntToStr(b)+' = 1';
    Mem1.Clear;
    d:=2;
    While b<>1 do
    begin while b mod d=0 do
        begin b:=b div d;
            Label3.Caption:=Label3.Caption+' * '+IntToStr(d);
        end;
        d:=d+1;
    end;
end;

```

### 3.18.

*n (*

*).*

*Edit1Change:*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

```

*Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,c1,c2,c3,c4,z:integer;
begin n:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(n);
    For b:=1 to n do
    begin c1:=b mod 10;
        c2:=b div 10 mod 10;
        c3:=b div 100 mod 10;
        c4:=b div 1000;
        z:=c1*c1*c1+c2*c2*c2+c3*c3*c3+c4*c4*c4;
        If b=z then Mem1.Lines.Add(IntToStr(b));
    end;
end;

```



3

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,p,c,z:integer;
begin n:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(n);
    Mem1.Clear;
    b:=1;
    Repeat p:=b;z:=0;
        Repeat c:=p mod 10;
            z:=z+c*c*c;
            p:=p div 10;
        until p=0;
        If b=z then Mem1.Lines.Add(IntToStr(b));
        b:=b+1;
    until b=n;
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,p,c,z:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      b:=1;
      While b<>n do
      begin p:=b;z:=0;
            While p<>0 do
            begin c:=p mod 10;
                  z:=z+c*c*c;
                  p:=p div 10;
            end;
            If b=z then Mem1.Lines.Add(IntToStr(b));
            b:=b+1;
      end;
end;

```

## 3.19.

n (

).

**Edit1Change:**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

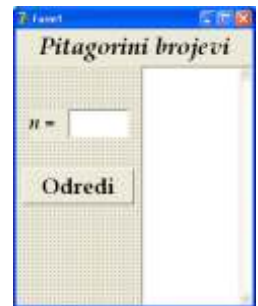
```

**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var n,a,b,c:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      For a:=1 to n-2 do
      For b:=a+1 to n-1 do
      For c:=b+1 to n do
      If a*a+b*b=c*c then
      Mem1.Lines.Add(Format('%3d%3d%3d',[a,b,c]));
end;

```



```

procedure TForm1.Button1Click(Sender: TObject);
var n,a,b,c:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      a:=1;
      Repeat b:=a+1;
            Repeat c:=b+1;
                  Repeat If a*a+b*b=c*c then
                        Mem1.Lines.Add(Format('%3d%3d%3d',[a,b,c]));
                        c:=c+1;
                  until c>n;
                  b:=b+1;
            until b>n-1;
            a:=a+1;
      until a>n-2;
end;

procedure TForm1.Button1Click(Sender: TObject);
var n,a,b,c:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      a:=1;
      While a<=n-2 do
      begin b:=a+1;

```

```

        While b<=n-1 do
        begin c:=b+1;
            While c<=n do
            begin If a*a+b*b=c*c then
                Mem1.Lines.Add(Format('%3d%3d%3d',[a,b,c]));
                c:=c+1;
            end;
            b:=b+1;
        end;
        a:=a+1;
    end;
end;

```

## 3.20.

(

**Edit1Change:**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,d,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(n);
    Mem1.Clear;
    For b:=1 to n do
    begin s:=1;
        For d:=2 to b div 2 do
            If b mod d=0 then s:=s+d;
            If s=b then Mem1.Lines.Add(IntToStr(b));
        end;
    end;
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,d,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(n);
    Mem1.Clear;
    b:=1;
    Repeat s:=1;d:=2;
        Repeat If b mod d=0 then s:=s+d;
            d:=d+1;
        until d>n div 2;
        If s=b then Mem1.Lines.Add(IntToStr(b));
        b:=b+1;
    until b>n;
end;

```

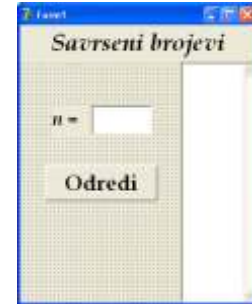
```

procedure TForm1.Button1Click(Sender: TObject);
var n,b,d,s:integer;
begin n:=StrToIntDef(Edit1.Text,1);
    Edit1.Text:=IntToStr(n);
    Mem1.Clear;
    b:=1;
    While b<=n do
    begin s:=1;d:=2
        While d<=b div 2 do
        begin If b mod d=0 then s:=s+d;
            d:=d+1;
        end;
        If s=b then Mem1.Lines.Add(IntToStr(b));
        b:=b+1;
    end;
end;
end;

```

*n*

).

**Button1Click:**

3.21.

n ( )

**Edit1Change:**

```
procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;
```

**repeat:**

```
procedure TForm1.Button1Click(Sender: TObject);
var n,a,d,s,b:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      For a:=1 to n do
      begin b:=1;
           For d:=2 to a div 2 do If a mod d=0 then b:=b+d;
           s:=1;
           For d:=2 to b div 2 do If b mod d=0 then s:=s+d;
           If (s=a)and(a<b)
            then Mem1.Lines.Add(Format('%5d%5d',[a,b]));
      end;
end;
```

**Button1Click**

```
procedure TForm1.Button1Click(Sender: TObject);
var n,a,d,s,b:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      a:=1;
      Repeat b:=1;d:=2;
            Repeat If a mod d=0 then b:=b+d;
                   d:=d+1;
            until d>a div 2;
            s:=1;d:=2;
            Repeat If b mod d=0 then s:=s+d;
                   d:=d+1;
            until d>b div 2;
            If (s=a)and(a<b)
             then Mem1.Lines.Add(Format('%5d%5d',[a,b]));
            a:=a+1;
      until a>n;
end;
```

```
procedure TForm1.Button1Click(Sender: TObject);
var n,a,d,s,b:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      a:=1;
      While a<=n do
      begin b:=1;d:=2;
           While d<=a div 2 do
           begin If a mod d=0 then b:=b+d;
                  d:=d+1;
           end;
           s:=1;d:=2;
           While d<=b div 2 do
           begin If b mod d=0 then s:=s+d;
                  d:=d+1;
           end;
           If (s=a)and(a<b)
            then Mem1.Lines.Add(Format('%5d%5d',[a,b]));
            a:=a+1;
      end;
end;
```

## 3.22.

```

Edit1Change :
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;Edit4.Clear;
end;

Object Inspector- Events
OnChange
for
repeat while.
Button1Click:
procedure TForm1.Button1Click(Sender: TObject);
var a,b,c:integer;
begin a:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      c:=0;
      If a>b then
        Repeat a:=a-b;c:=c+1;
        until a<b;
      Edit3.Text:=IntToStr(c);
      Edit4.Text:=IntToStr(a);
end;

```



```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,c:integer;
begin a:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      c:=0;
      While a>=b do
        begin a:=a-b;c:=c+1;
        end;
      Edit3.Text:=IntToStr(c);
      Edit4.Text:=IntToStr(a);
end;

```

## 3.23.

1000

```

, 11,
11. 101.

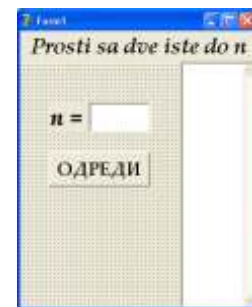
```

```

Edit1Change :
procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

Button1Click:
procedure TForm1.Button1Click(Sender: TObject);
var n,a,b,c,d:integer;
    p:boolean;
    sc:set of 1..9;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Mem1.Clear;
      If n>10 then
        begin Mem1.Lines.Add('11');
          For b:=1 to n do
            begin d:=2;a:=b;
              While (a mod d<>0)and(d<=Sqrt(a)) do d:=d+1;
            end;
          Mem1.Lines.Add(IntToStr(a));
        end;
end;

```



**Button1Click:**

```

        If d>Sqrt(a) then
        begin c:=a mod 10;
            a:=a div 10;
            sc:=[c];
            p:=false;
            While (a<>0)and(not p) do
            begin c:=a mod 10;
                a:=a div 10;
                If c in sc
                then p:=true
                else sc:=sc+[c];
            end;
            If p then Memol.Lines.Add(IntToStr(b));
        end;
    end;
end;
end;
end;

```

## 3.24.

**Edit1Change**

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

```



```

        2 (
        2,
        2
    ).

```

**Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var a:string;
    b,s,i:integer;
begin a:=Edit1.Text;
    s:=1;b:=0;
    For i:=Length(a) downto 1 do
    begin b:=b+StrToInt(a[i])*s;s:=s*2;
    end;
    Edit2.Text:=IntToStr(b);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var a:string;
    b,s,i:integer;
begin a:=Edit1.Text;
    s:=1;b:=0;i:=Length(a);
    If i>0 then
    Repeat b:=b+StrToInt(a[i])*s;
        s:=s*2;i:=i-1;
    until i<1;
    Edit2.Text:=IntToStr(b);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var a:string;
    b,s,i:integer;
begin a:=Edit1.Text;
    s:=1;b:=0;i:=Length(a);
    While i>0 do
    begin b:=b+StrToInt(a[i])*s;
        s:=s*2;i:=i-1;
    end;
    Edit2.Text:=IntToStr(b);
end;

```

## 3.25.

```

Edit1Change :
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit2.Clear;
end;

0.
2

for.
Button1Click:
procedure TForm1.Button1Click(Sender: TObject);
var a:string;
    b:integer;
begin b:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(b);
      a:='';
      If b>0 then
        Repeat a:=IntToStr(b mod 2)+a;
              b:=b div 2;
        until b<1;
      Edit2.Text:=a;
end;

procedure TForm1.Button1Click(Sender: TObject);
var a:string;
    b:integer;
begin b:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(b);
      a:='';
      While b>0 do
        begin a:=IntToStr(b mod 2)+a;
              b:=b div 2;
        end;
      Edit2.Text:=a;
end;

```



## 3.26.

```

Edit1Change :
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

```

**Object Inspector- Events**  
**OnChange**

```

(
    9).
    (
    ),
    )
    for.

```

```

Button1Click:
procedure TForm1.Button1Click(Sender: TObject);
var a,b,c:string;
    i,d,p:integer;
begin a:=Edit1.Text;
      b:=Edit2.Text;
      If Length(a)>Length(b) then
        begin c:=a;a:=b;b:=c;
        end;
      For i:=1 to Length(b)-Length(a) do a:='0'+a;
      c:='';p:=0;
      For i:=Length(a) downto 1 do
        begin d:=StrToInt(a[i])+StrToInt(b[i])+p;

```



```

        c:=IntToStr(d mod 10)+c;
        p:=d div 10;
    end;
    If p>0 then c:=IntToStr(p)+c;
    Edit3.Text:=c;
end;

procedure TForm1.Button1Click(Sender: TObject);
var a,b,c:string;
    i,d,p:integer;
begin a:=Edit1.Text;
    b:=Edit2.Text;
    If Length(a)>Length(b) then
        Repeat b:='0'+b;
        until Length(b)=Length(a);
    If Length(b)>Length(a) then
        Repeat a:='0'+a;
        until Length(b)=Length(a);
    c:='';p:=0;
    i:=Length(a);
    Repeat d:=StrToInt(a[i])+StrToInt(b[i])+p;
        c:=IntToStr(d mod 10)+c;
        p:=d div 10;i:=i-1;
    until i=0;
    If p>0 then c:=IntToStr(p)+c;
    Edit3.Text:=c;
end;

procedure TForm1.Button1Click(Sender: TObject);
var a,b,c:string;
    i,d,p:integer;
begin a:=Edit1.Text;
    b:=Edit2.Text;
    While Length(a)>Length(b) do b:='0'+b;
    While Length(b)>Length(a) do a:='0'+a;
    c:='';p:=0;
    i:=Length(a);
    While i>0 do
    begin d:=StrToInt(a[i])+StrToInt(b[i])+p;
        c:=IntToStr(d mod 10)+c;
        p:=d div 10;i:=i-1;
    end;
    If p>0 then c:=IntToStr(p)+c;
    Edit3.Text:=c;
end;
end;

```

### 3.27.

#### *Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;
end;

```

#### *Object Inspector- Events* *OnChange Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var c:string;
    a,b,i,n:integer;
begin a:=StrToIntDef(Edit1.Text,0);
    b:=StrToIntDef(Edit2.Text,1);
    n:=50;
    c:=IntToStr(a div b)+'.';
    For i:=1 to n do
    begin a:=a mod b*10;
        c:=c+IntToStr(a div b);
    end;
end;

```



```

    Edit3.Text:=c;
end;

procedure TForm1.Button1Click(Sender: TObject);
var c:string;
    a,b,n:integer;
begin a:=StrToIntDef(Edit1.Text,0);
      b:=StrToIntDef(Edit2.Text,1);
      n:=50;
      c:=IntToStr(a div b)+'.';
      Repeat a:=a mod b*10;
            c:=c+IntToStr(a div b);
            n:=n-1;
      until n=0;
      Edit3.Text:=c;
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var c:string;
    a,b,n:integer;
begin a:=StrToIntDef(Edit1.Text,0);
      b:=StrToIntDef(Edit2.Text,1);
      n:=50;
      c:=IntToStr(a div b)+'.';
      While n>0 do
      begin a:=a mod b*10;
            c:=c+IntToStr(a div b);
            n:=n-1;
      end;
      Edit3.Text:=c;
end;

```

50 (n:=50); n

n, 0 ( )

3.28.

*Edit1Change*

```

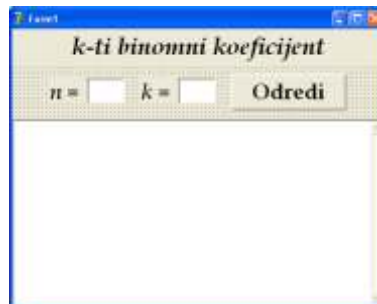
procedure TForm1.Edit1Change(Sender: TObject);
begin Mem1.Clear;
end;

```

*Object Inspector-Events*  
*OnChange*

$$\frac{n}{k} = \frac{n(n-1)(n-2)\dots(n-k+1)}{k(k-1)(k-2)\dots 3 2 1}$$

$$\frac{n}{k} = \prod_{i=1}^k \frac{n-i+1}{i}$$



*Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
begin n:=StrToIntDef(Edit1.Text,0);Edit1.Text:=IntToStr(n);
      k:=StrToIntDef(Edit2.Text,0);
      If k>n then k:=n;
      Edit2.Text:=IntToStr(k);
      b:=1;
      For i:=1 to k do b:=b*(n-i+1)/i;
      Mem1.Lines.Add(IntToStr(Trunc(b)));
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
begin n:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(n);
      k:=StrToIntDef(Edit2.Text,0);
      If k>n then k:=n;
      Edit2.Text:=IntToStr(k);
      b:=1;i:=0;
      If k>0 then
        Repeat i:=i+1;b:=b*(n-i+1)/i;
          until i>=k;
      Memol.Lines.Add(IntToStr(Trunc(b)));
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
begin n:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(n);
      k:=StrToIntDef(Edit2.Text,0);
      If k>n then k:=n;
      Edit2.Text:=IntToStr(k);
      b:=1;i:=0;
      While i<k do
        begin i:=i+1;
              b:=b*(n-i+1)/i;
        end;
      Memol.Lines.Add(IntToStr(Trunc(b)));
end;

```

### 3.29.

#### *Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Memol.Clear;
end;

```

#### *Button1Click:*

```

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
    a:string;
begin n:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(n);
      a:='';
      For k:=0 to n do
        begin b:=1;
              For i:=1 to k do b:=b*(n-i+1)/i;
                                a:=a+IntToStr(Trunc(b))+' ';
        end;
      Memol.Lines.Add(a);
end;

```

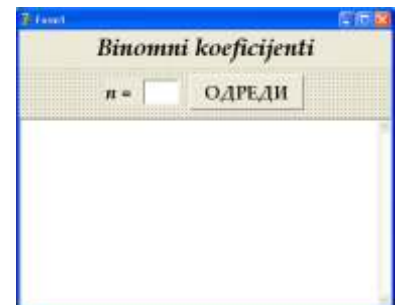
$k \quad 0 \quad n.$

```

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
    a:string;
begin n:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(n);
      a:='';k:=0;
      Repeat b:=1;i:=0;
        If k>0 then
          Repeat i:=i+1;b:=b*(n-i+1)/i;
            until i>=k;

```

$n.$



$k \quad ,$

```

        a:=a+IntToStr(Trunc(b))+' ';
        k:=k+1;
    until k>n;
    Memol.Lines.Add(a);
end;

procedure TForm1.Button1Click(Sender: TObject);
var n,k,i:integer;
    b:real;
    a:string;
begin n:=StrToIntDef(Edit1.Text,0);
    Edit1.Text:=IntToStr(n);
    a:='';k:=0;
    While k<=n do
    begin b:=1;i:=0;
        While i<k do
        begin i:=i+1;
            b:=b*(n-i+1)/i;
        end;
        a:=a+IntToStr(Trunc(b))+' ';
        k:=k+1;
    end;
    Memol.Lines.Add(a);
end;

```

## 3.30.

*Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Memol.Clear;
end;

```

*Button1Click:*

```

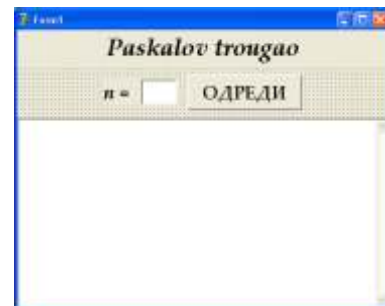
procedure TForm1.Button1Click(Sender: TObject);
var n,p,k,i:integer;
    b:real;
    a:string;
begin p:=StrToIntDef(Edit1.Text,0);
    Edit1.Text:=IntToStr(p);
    For n:=0 to p do
    begin a:='';
        For k:=0 to n do
        begin b:=1;
            For i:=1 to k do b:=b*(n-i+1)/i;
            a:=a+IntToStr(Trunc(b))+' ';
        end;
        Memol.Lines.Add(a);
    end;
end;

```

```

0 n.
procedure TForm1.Button1Click(Sender: TObject);
var n,p,k,i:integer;
    b:real;
    a:string;
begin p:=StrToIntDef(Edit1.Text,0);
    Edit1.Text:=IntToStr(p);
    n:=0;
    Repeat a:='';k:=0;
        Repeat b:=1;i:=0;
            If k>0 then
                Repeat i:=i+1;b:=b*(n-i+1)/i;
                    until i>=k;
            a:=a+IntToStr(Trunc(b))+' ';
            k:=k+1;

```

*n.**n*

```

        until k>n;
        Memol.Lines.Add(a);
        n:=n+1;
    until n>p;
end;

procedure TForm1.Button1Click(Sender: TObject);
var n,p,k,i:integer;
    b:real;
    a:string;
begin p:=StrToIntDef(Edit1.Text,0);
      Edit1.Text:=IntToStr(p);
      n:=0;
      While n<=p do
      begin a:='';k:=0;
            While k<=n do
            begin b:=1;i:=0;
                  While i<k do
                  begin i:=i+1;
                        b:=b*(n-i+1)/i;
                  end;
                  a:=a+IntToStr(Trunc(b))+' ';
                  k:=k+1;
            end;
            Memol.Lines.Add(a);
            n:=n+1;
      end;
end;

```

### 3.31.

*n* , .

#### *Edit1Change*

```

procedure TForm1.Edit1Change(Sender: TObject);
begin Memol.Clear;Edit2.Clear;Edit3.Clear;
      Edit4.Clear;Edit5.Clear;Edit6.Clear;
end;

procedure TForm1.Button1Click(Sender: TObject);
var x,m,rx,rm,s,b,n,i:integer;
begin n:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(n);
      Randomize;Memol.Clear;
      If n>0 then
      begin b:=Random(1000);
            Memol.Lines.Add(IntToStr(b));
            s:=b;x:=b;m:=b;rx:=1;rm:=1;
            For i:=2 to n do
            begin b:=Random(1000);
                  s:=s+b;
                  If b>x then
                  begin x:=b;rx:=i;
                        end;
                  If b<m then
                  begin m:=b;rm:=i;
                        end;
                  Memol.Lines.Add(IntToStr(b));
            end;
            Edit2.Text:=FloatToStr(s/n);
            Edit3.Text:=IntToStr(x);
            Edit4.Text:=IntToStr(rx);
            Edit5.Text:=IntToStr(m);
            Edit6.Text:=IntToStr(rm);
      end;
end;

```

*Button1Click:*



## 3.32.

```

Edit1Change :
procedure TForm1.Edit1Change(Sender: TObject);
begin Edit3.Clear;Edit4.Clear;
end;

```

*Object Inspector- Events*  
**OnChange** **Button1Click:**

```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,i,nzd,nzs:integer;
begin a:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      For i:=1 to a do
        If (a mod i=0)and(b mod i=0) then nzd:=i;
        nzs:=a*b div nzd;
        Edit3.Text:=IntToStr(nzs);
        Edit4.Text:=IntToStr(nzd);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,nzd,nzs:integer;
begin a:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      nzs:=a;
      If nzs mod b<>0 then
        Repeat nzs:=nzs+a;
          until nzs mod b=0;
      nzd:=a*b div nzs;
      Edit3.Text:=IntToStr(nzs);
      Edit4.Text:=IntToStr(nzd);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,p:integer;
begin a:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      p:=a*b;
      If a<>b then
        Repeat If a>b
          then a:=a-b;
          else b:=b-a;
        until a=b;
      Edit3.Text:=IntToStr(p div a);
      Edit4.Text:=IntToStr(a);
end;

```

```

procedure TForm1.Button1Click(Sender: TObject);
var a,b,nzd,nzs:integer;
begin a:=StrToIntDef(Edit1.Text,1);
      Edit1.Text:=IntToStr(a);
      b:=StrToIntDef(Edit2.Text,1);
      Edit2.Text:=IntToStr(b);
      nzs:=a;
      While nzs mod b<>0 do nzs:=nzs+a;
      nzd:=a*b div nzs;
      Edit3.Text:=IntToStr(nzs);
      Edit4.Text:=IntToStr(nzd);
end;

```

