

Двумерные массивы

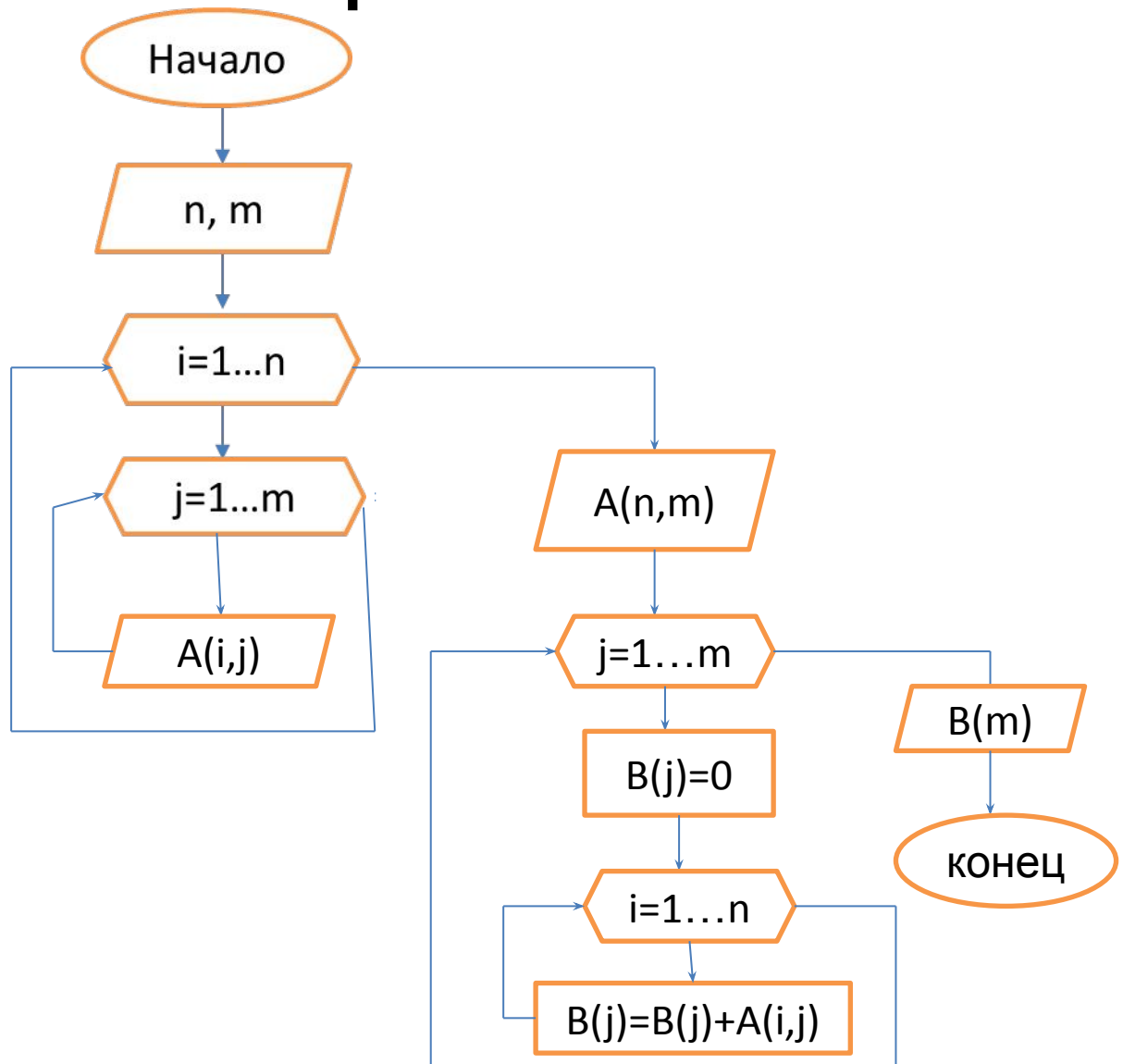
Выполнили:

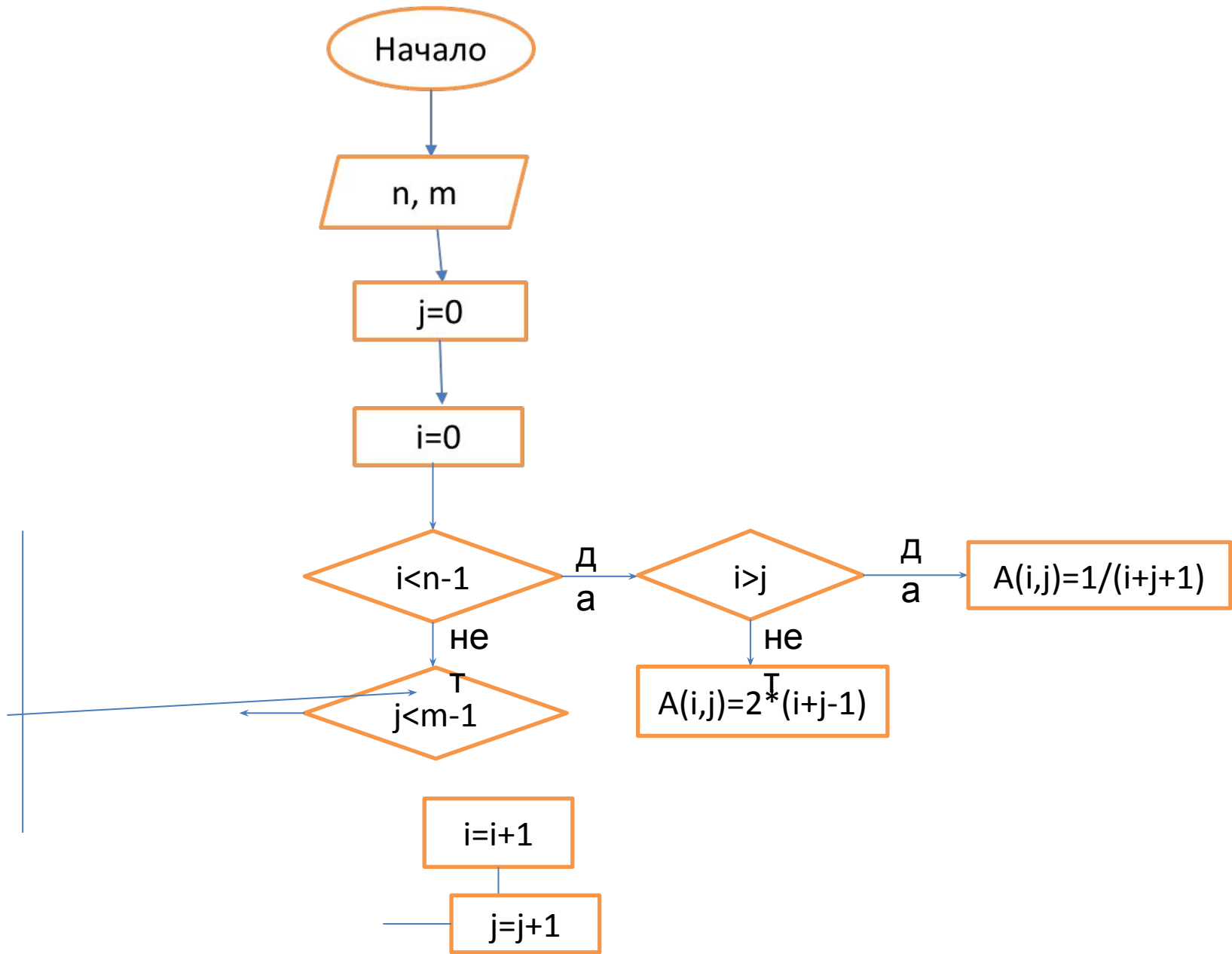
Кузнецова Полина
и Любивая Полина

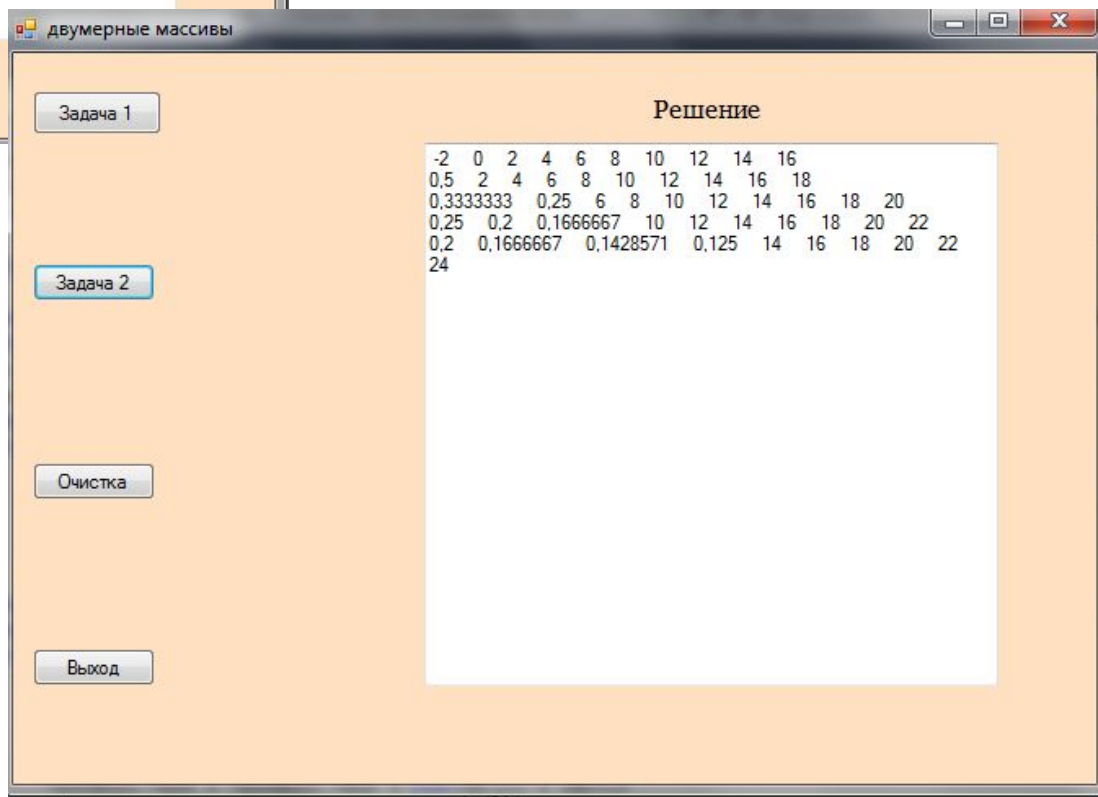
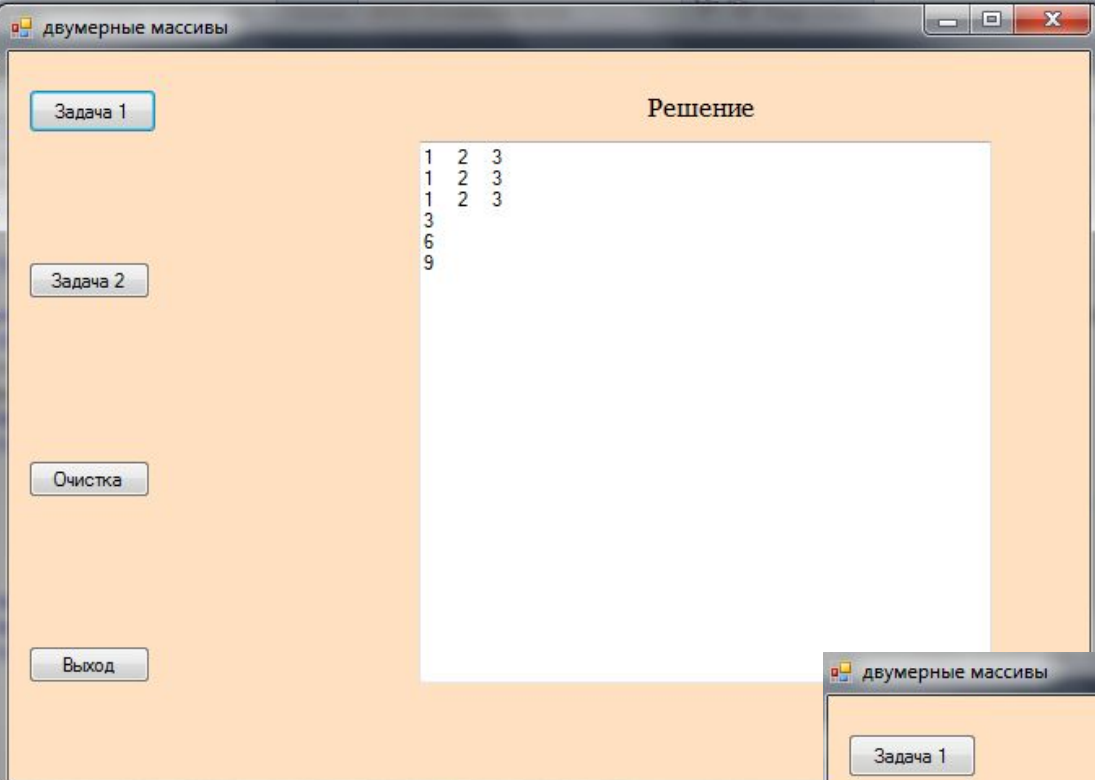
Объект	Свойства	Значение
Форма	Name Text BackColor	Form1 Двумерные массивы 255; 224; 192
Кнопка1	Name Text BackColor ForeColor	Button1 Задача 1 255; 224; 192 ControlText
Кнопка2	Name Text BackColor ForeColor	Button2 Задача 2 255; 224; 192 ControlText
Текстовое окно1	Name Text BackColor ForeColor	Textbox1 ControlText

Объект	Свойства	Значение
Кнопка3	Name Text BackColor ForeColor	Button3 Очистка 255; 224; 192 ControlText
Кнопка4	Name Text BackColor ForeColor	Button4 Выход 255; 224; 192 ControlText

Алгоритм









Form1.vb x Form1.vb [Конструктор]

Button1

Click

Public Class Form1

Dim A(,) As Single

Dim B() As Single

Private Sub Label1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label1.Click

End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim i, j, n, m As Integer

n = CInt(TextBox1.Text)

m = CInt(TextBox2.Text)

ReDim A(0 To n - 1, 0 To m - 1)

For i = 0 To n - 1

For j = 0 To m - 1

A(i, j) = CInt(TextBox3.Text)

TextBox1.Text = TextBox1.Text + CStr(A(i, j)) + " "

Next j

TextBox1.Text = TextBox1.Text + vbCrLf

Next i

ReDim B(0 To m - 1)

For j = 0 To m - 1

B(j) = 0

For i = 0 To n - 1

B(j) = B(j) + A(i, j)

Next i

TextBox2.Text = TextBox2.Text + CStr(B(j)) + vbCrLf

Next j

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Dim i, j, n, m As Integer

n = CInt(TextBox1.Text)

m = CInt(TextBox2.Text)

ReDim A(0 To n - 1, 0 To m - 1)

For i = 0 To n - 1

For j = 0 To m - 1

If i <= j Then

A(i, j) = 2 * (i + j - 1)

Else

A(i, j) = 1 / (i + j + 1)

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Next i
ReDim B(0 To m - 1)
For j = 0 To m - 1
    B(j) = 0
    For i = 0 To n - 1
        B(j) = B(j) + A(i, j)
    Next i
    TextBox1.Text = TextBox1.Text + CStr(B(j)) + vbCrLf
Next j
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
    Dim i, j, n, m As Integer
    n = CInt(InputBox("Введите n", "Ввод n", ))
    m = CInt(InputBox("Введите m", "Ввод m", ))
    ReDim A(0 To n - 1, 0 To m - 1)
    For i = 0 To n - 1
        For j = 0 To m - 1
            If i <= j Then
                A(i, j) = 2 * (i + j - 1)
            Else
                A(i, j) = 1 / (i + j + 1)
            End If
            TextBox1.Text = TextBox1.Text + CStr(A(i, j)) + "   "
        Next j
        TextBox1.Text = TextBox1.Text + vbCrLf
    Next i
End Sub
```

```
Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
    TextBox1.Text = " "
End Sub
```

```
Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
    End
End Sub
End Class
```


Спасибо за внимание