

Rudaya Alexandra

40 players, 9 answers

when			then	
A	B		A	B
1	0		5	0
1	1		2	2
0	0		3	3
0	1		0	5

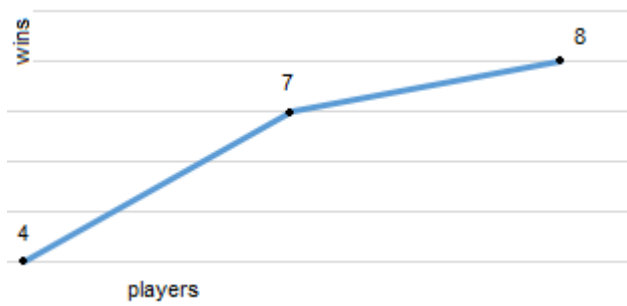
For example:

Players/answers	123 - 456789	Game points	sum	wins
A – 1 player	010 - 000100	353330533	28	+1
B – 2 player	000 - 001000	303335033	23	
A – 1 player	010 – 101000	350502333	24	+1
B – 3 player	001 - 011000	305052333	24	+1
A – 1 player	010 – 101101	020502232	17	
B – 4 player	111 - 011101	525052232	26	+1
A – 1 player	010 – 001100	323332233	24	+1
B – 5 player	010 - 001100	323332233	24	+1
A – 1 player	010 – 001001	050335005	21	+1
B – 6 player	100 – 000110	500330550	21	+1
A – 1 player	010 – 101001	050502332	20	
B – 7 player	101 - 011001	505052332	25	+1
A – 1 player	010 – 101100	320502233	20	
B – 8 player	011 – 011100	325052233	25	+1
A – 1 player	010 - 001110	023332250	20	
B – 9 player	110 - 001101	523332205	25	+1
A – 1 player	010 – 101101	020502232	16	
B – 10 player	111 - 011101	525052232	26	+1

Players/answers	123 - 456789	Game points	sum	wins
A – 21 player	111 – 010101	555050505	30	+1
B – 22 player	000 - 101010	000505050	15	
A – 21 player	111 – 111010	552222323	26	+1
B – 23 player	001 - 111010	002222323	12	
A – 21 player	111 – 111111	222222222	18	+1
B – 24 player	111 - 111111	222222222	18	+1
A – 21 player	111 – 011101	525002205	21	+1
B – 25 player	010 - 101110	020552250	21	+1
A – 21 player	111 – 010111	255050522	26	+1
B – 26 player	100 – 101011	200505022	16	
A – 21 player	111 – 111011	252222322	22	+1
B – 27 player	101 - 111011	202222322	17	
A – 21 player	111 – 111101	522222205	22	+1
B – 28 player	011 – 111110	022222250	17	
A – 21 player	111- 011111	225052222	22	+1
B – 29 player	110 - 101111	220502222	22	+1
A – 21 player	111 – 111101	522222205	22	+1
B – 30 player	011 – 111110	022222250	17	

Players/answers	123 - 456789	Game points	sum	wins
A – 11 player	011 – 010100	355050533	33	+1
B – 12 player	000 - 101000	300505033	19	
A – 11 player	011 – 110100	252220533	24	+1
B – 13 player	001 - 111000	202225033	19	
A – 11 player	011 – 111110	022222250	17	
B – 14 player	111 - 111101	522222205	22	+1
A – 11 player	011 – 011100	325052233	25	+1
B – 15 player	010 - 101100	320502233	20	
A – 11 player	011 – 010110	055050550	25	+1
B – 16 player	100 – 101001	500505005	20	
A – 11 player	011 – 110110	052220550	21	+1
B – 17 player	101 - 111001	502225005	21	+1

A – 11 player	011 – 111100	233222233	22	+1
B – 18 player	011 – 111100	233222233	22	+1
A – 11 player	011 – 011110	025052250	21	+1
B – 19 player	110 - 101101	520502205	21	+1
A – 11 player	011 – 111110	022222250	17	
B – 10 player	111 - 111101	522222205	22	+1



Program code:

```
using System;
using System.Drawing;
using System.Windows.Forms;

namespace SIIT_3 {

    public partial class Main : Form {

        Random rnd = new Random();// Рандомизатор

        public Main() {
            InitializeComponent();
        }

        // ОБЩЕЕ =====
        // Проверка на ввод только 1 или 0 при вводе в TextBox
        private void KeyPressBinary(object sender, KeyPressEventArgs e)
        {
            if ((e.KeyChar < 48 || e.KeyChar > 49) && e.KeyChar != 8) e.Handled =
true;

            TextBox tb = (TextBox)sender;
            if (tb.Text == string.Empty && e.KeyChar == 13) tb.Text = "0";
        }

        // Проверка на ввод только от 0 до 9 при вводе в TextBox
```

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private void KeyPressNumeric(object sender, KeyPressEventArgs e)
{
    if ((e.KeyChar < 48 || e.KeyChar > 57) && e.KeyChar != 8) e.Handled =
true;

    TextBox tb = (TextBox)sender;
    if (tb.Text == string.Empty && e.KeyChar == 13) tb.Text = "0";
}
//=====

// A =====
// Добавление нового
private void buttonAddA_Click(object sender, EventArgs e) {
    listBoxA.Items.Add(textBoxAddA.Text);
}

// Добавление рандомных значений
private void buttonAddRandomA_Click(object sender, EventArgs e) {
    for(int i = 0; i < int.Parse(textBoxCountRandomA.Text); i++) {
        string strAdd = "";
        for (int j = 0; j < int.Parse(textBoxRandomLengthA.Text); j++)
        {
            int value = rnd.Next(0, 2);
            strAdd += value.ToString();
        }
        listBoxA.Items.Add(strAdd);
    }
}

// Удаление выделенного
private void buttonRevomeSelectedA_Click(object sender, EventArgs e) {
    if(listBoxA.SelectedIndex != -1)
listBoxA.Items.RemoveAt(listBoxA.SelectedIndex);
}

// Очистка
private void buttonClearA_Click(object sender, EventArgs e) {
    listBoxA.Items.Clear();
}
// =====

// B =====
// Добавление нового
private void buttonAddB_Click(object sender, EventArgs e) {
    listBoxB.Items.Add(textBoxAddB.Text);
}

// Добавление рандомных значений
private void buttonAddRandomB_Click(object sender, EventArgs e) {
    for (int i = 0; i < int.Parse(textBoxCountRandomB.Text); i++) {
        string strAdd = "";
        for (int j = 0; j < int.Parse(textBoxRandomLengthB.Text); j++)
        {
            int value = rnd.Next(0, 2);
            strAdd += value.ToString();
        }
        listBoxB.Items.Add(strAdd);
    }
}

// Удаление выделенного
private void buttonRevomeSelectedB_Click(object sender, EventArgs e) {
    if (listBoxB.SelectedIndex != -1)
listBoxB.Items.RemoveAt(listBoxB.SelectedIndex);
}

```

```

// Очистка
private void buttonClearB_Click(object sender, EventArgs e) {
    listBoxB.Items.Clear();
}
// =====

// Функции консоли =====
private void ConsoleError(string message) {
    string strMessage = "";
    if (console.TextLength == 0 || console.Text[console.TextLength - 1]
== '\n') strMessage = "Ошибка: " + message + "\n";
    else strMessage = "\nОшибка: " + message + "\n";

    console.Select(console.TextLength, message.Length);
    console.SelectionColor = Color.Red;
    console.AppendText(strMessage);
    console.SelectionColor = console.ForeColor;
}

private void ConsoleWrite(string message) {
    console.Select(console.TextLength, message.Length);
    console.AppendText(message);
}

private void ConsoleWriteLine(string message) {
    string strMessage = "";
    if (console.TextLength == 0 || console.Text[console.TextLength - 1]
== '\n') strMessage = message + "\n";
    else strMessage = "\n" + message + "\n";

    console.Select(console.TextLength, message.Length);
    console.AppendText(strMessage);
}

private void buttonClearConsole_Click(object sender, EventArgs e) {
    console.Text = "";
}
// =====

private void buttonCalculation_Click(object sender, EventArgs e) {

    for (int i = 0; i < listBoxA.Items.Count; i++) {
        string strA = listBoxA.Items[i].ToString();
        if (checkBoxSelf.Checked) {
            (int, int) sum = Sum(strA, strA);
            Console.WriteLine("Сравнение: (" + strA + "), (" + strA
+ ")");
            Console.WriteLine("Суммы: " + sum.Item1.ToString() + ",
" + sum.Item2.ToString());
        }

        for (int j = 0; j < listBoxB.Items.Count; j++) {
            string strB = listBoxB.Items[j].ToString();

            if (strA.Length != strB.Length) {
                ConsoleError("Не совпадение элемента " +
i.ToString() + " списка А и элемента " + j.ToString() + " списка В по длине!");
                return;
            }

            (int, int) sum = Sum(strA, strB);

```

```

        Console.WriteLine("Сравнение: (" + strA + "), (" + strB
+ ")");
        Console.WriteLine("Суммы: " + sum.Item1.ToString() + ",
" + sum.Item2.ToString());
    }

    ConsoleWrite("\n");
}

(int, int) Sum(string strA, string strB){
    int sum1 = 0;
    int sum2 = 0;

    int a00 = int.Parse(textBoxAZZ.Text);
    int a11 = int.Parse(textBoxA00.Text);
    int a01 = int.Parse(textBoxAZO.Text);
    int a10 = int.Parse(textBoxAOZ.Text);
    int b00 = int.Parse(textBoxBZZ.Text);
    int b11 = int.Parse(textBoxB00.Text);
    int b01 = int.Parse(textBoxBZO.Text);
    int b10 = int.Parse(textBoxBOZ.Text);

    for(int i = 0; i < (strA.Length >= strB.Length ? strA.Length :
strB.Length); i++) {
        if (strA[i] == '0' && strB[i] == '0') { sum1 += a00; sum2 +=
b00; }
        else if (strA[i] == '1' && strB[i] == '1') { sum1 += a11; sum2
+= b11; }
        else if (strA[i] == '0' && strB[i] == '1') { sum1 += a01; sum2
+= b10; }
        else if (strA[i] == '1' && strB[i] == '0') { sum1 += a10; sum2
+= b01; }
    }

    return (sum1, sum2);
}
}
}

```