

ABC

Вариант 12

$$81 + 12 = 93 \quad - 81 + 12 = -69$$

$$81 - 12 = 69 \quad - 81 - 12 = -93$$

$$1400 + 12 = 1412 \quad - 1400 + 12 = -1388$$

$$1400 - 12 = 1388 \quad - 1400 - 12 = -1412$$

1400 81
Вариант 5 A.C.

30x memo

Dec	Byte		Word	
	Bin	Hex	Bin	Hex
93	1000101 1011101	5D	00000000 01011101	5D
69	1000101	45	00000000 01000101	45
-69	111010	3A	11111111 111010	FF3A
-93	100010	22	11111111 100010	FFE2
1412	10110000100		00000101 10000100	
			00000000	084
1388	100111101 10101101100		00000101 01101100	56C
-1388	1010010011		11111110 10010011	FE93
-1412	1001111011		11111110 01110111	FE7B

- 69 12
- ① 34 12
 - ② 17 12
 - ③ 8 12
 - ④ 4 12
 - ⑤ 2 12
 - ⑥ 1

- 93 12
- ① 46 12
 - ② 23 12
 - ③ 11 12
 - ④ 5 12
 - ⑤ 2 12
 - ⑥ 1

$$\begin{array}{r}
 1000101 \\
 111010 - \text{umb.} \\
 + \quad 1 \\
 \hline
 111011 - \text{gen. reg}
 \end{array}$$

$$\begin{array}{r}
 100010 - \text{umb.} \\
 + \quad 1 \\
 \hline
 100011 - \text{gen. reg}
 \end{array}$$

BRUNBERG

$$1412 \text{ L2}$$

$$\textcircled{1} 706 \text{ L2}$$

$$\textcircled{2} 353 \text{ L2}$$

$$\textcircled{3} 176 \text{ L2}$$

$$\textcircled{4} 88 \text{ L2}$$

$$\textcircled{5} 44 \text{ L2}$$

$$\textcircled{6} 22 \text{ L2}$$

$$\textcircled{7} 11 \text{ L2}$$

$$\textcircled{8} 5 \text{ L2}$$

$$\textcircled{9} 2 \text{ L2}$$

$$\textcircled{10} 1$$

$$\begin{array}{r} -1-1- \\ + 1001111011 \text{ Eurb.} \\ \hline 1 \end{array}$$

$$\begin{array}{r} 1001111100 \\ \hline \text{gen. key} \end{array}$$

$$1388 \text{ L2}$$

$$\textcircled{1} 694 \text{ L2}$$

$$\textcircled{2} 347 \text{ L2}$$

$$\textcircled{3} 173 \text{ L2}$$

$$\textcircled{4} 86 \text{ L2}$$

$$\textcircled{5} 43 \text{ L2}$$

$$\textcircled{6} 21 \text{ L2}$$

$$\textcircled{7} 10 \text{ L2}$$

$$\textcircled{8} 5 \text{ L2}$$

$$\textcircled{9} 2 \text{ L2}$$

$$\textcircled{10} 1$$

$$\begin{array}{r} 1010010011 \text{ -wbf.} \\ + \\ \hline 1 \end{array}$$

$$\begin{array}{r} 1010010100 \\ \hline \text{gen. key} \end{array}$$

Решения 542

$$1) 1400.81 + 12.12 = 1412.93$$

$$2) 1400.81 - 12.12 = 1388.69$$

$$3) -1400.81 + 12.12 = -1388.69$$

$$4) -1400.81 - 12.12 = -1412.93$$

$$1412 \underline{12}$$

$$\textcircled{1} 706 \underline{12}$$

$$\textcircled{2} 353 \underline{12}$$

$$\textcircled{1} 176 \underline{12}$$

$$\textcircled{2} 88 \underline{12}$$

$$\textcircled{1} 44 \underline{12}$$

$$\textcircled{2} 22 \underline{12}$$

$$\textcircled{1} 11 \underline{12}$$

$$\textcircled{2} 5 \underline{12}$$

$$\textcircled{1} 2 \underline{12}$$

$$\textcircled{2} 1$$

$$10+10000+100$$

$$1388 \underline{12}$$

$$\textcircled{1} 694 \underline{12}$$

$$\textcircled{2} 347 \underline{12}$$

$$\textcircled{1} 173 \underline{12}$$

$$\textcircled{2} 86 \underline{12}$$

$$\textcircled{1} 43 \underline{12}$$

$$\textcircled{2} 21 \underline{12}$$

$$\textcircled{1} 10 \underline{12}$$

$$\textcircled{2} 5 \underline{12}$$

$$\textcircled{1} 2 \underline{12}$$

$$\textcircled{2} 1$$

$$10+10+10+100$$

0.93

1.86

1.72

1.64

0.88

1.76

1.52

1.04

0.08

0.16

0.32

0.64

1.28

0.66

1.12

0.24

0.48

0.96

1.92

1.84

1.68

1.36

0.72

1.44

0.88

1.76

0.69

1.38

0.76

1.52

1.04

0.08

0.16

0.32

0.64

1.28

0.66

1.12

0.24

0.48

0.96

1.92

1.84

1.68

1.36

0.72

1.44

0.88

1.76

1.52

1.04

0.08

0.93 = 0.11101110000101000
1110101

0.69 = 10110000101000
1110101110

1412.93 = 10110000100.11101110000101000
11110101

1388.69 = 10101101100.101100001010001110101
110

5. Reparatur Quersol

—1—1—

Kap.-ka: $7F+10 = 10001111$

1412:

0
S 1000~~1111~~ 0110000100
↑
1

0100 0111 1011 0000 1000 0000 0000 0000

Hex: 4 7 B 0 8 0 0 0

-1412:

1
S 10001111 0110000100
↑
1

~~100~~100 0111 1011 0000 1000 0000 0000 0000

Hex: C 7 B 0 8 0 0 0

1388:

0
S 10001111 0101101100
↑
1

0100 0111 1010 1101 1000 0000 0000 0000

Hex: 4 7 ~~A~~ D 8 0 0 0

-1388:

1
S 10001111 0101101100
↑
1

1100 0111 1010 1101 1000 0000 0000 0000

Hex: C 7 A D 8 0 0 0

2. Двоичная часть:

Карта перестановки:

$$7F-1 = 1111110$$

0.98:

0 01111110, 111011100001010 001111010101
S 1

0011 1111 0111 0111 0000 1010 0011 1101 1100 0000 0

Hex: 3 F 7 7 0 A 3 D 4 0

-0.98:

1 01111110, 111011100001010 001111010101
S 1

1011 1111 0111 0111 0000 1010 0011 1101 1100 0000 0

Hex: B F 7 7 0 A 3 D 4 0

0.69:

0 01111110, 10110000101000111101011110
S 1

0011 1111 0101 1000 0101 0001 1110 1011 1000 0000 0

Hex: 3 F 7 8 5 1 E B 8 0

-0.69:

1 01111110, 1011000010100011101011110
S 1

Hex: B F 7 8 5 3 E B 8 0

3. Суммарная группа.

характеристики: $7F+10 = 10001111$
 $1412.93 \pm$

0 10001111 1 01100001001110111000010100
 S

0100 0111 1011 0000 1001 1101 1100 0010 1000
 HEX: 4 7 B 0 9 D C 2

-1412.93.

1 10001111 1 01100001001110111000010100
 S

1100 0111 1011 0000 1001 1101 1100 0010
 HEX: C 7 B 0 9 D C 2 ...

1388.69.

0 10001111 1 0101101100101100001010001
 S

0100 0111 1010 1101 1001 0110 0001 0100
 HEX: 4 7 A D 9 6 1 4 ...

-1388.69.

1 10001111 1 0101101100101100001010001
 S

1100 0111 1010 1101 1001 0110 0001 0100
 HEX: C 7 A D 9 6 1 4 ...

4. Реплика Овоид

1. Угловая траектория.

Keyp. ra: $8FF + 10 = 1000000111$

1412:

0 01000000111 1 0110000100
S

0010 0000 0111 0110 0001 0000 0000 0000 0000 0000 0000

Hex: 2 0 7 6 1 0 0 0 0 0 0 0

-1412:

0000

1 01000000111 1 0110000100
S

1010 0000 0111 0110 0001 0000 ... 0000

Hex: A 0 7 6 1 0 0 0 0 0 0 0 0

1388:

0 01000000111 1 0101101100
S

0010 0000 0111 0101 1011 0000 ... 0000

Hex: 2 0 7 5 B 0 0 0 0 0 0 0 0

-1388:

1 01000000111 1 0101101100
S

1010 0000 0111 0101 1011 0000 ... 0000

Hex: A 0 7 5 B 0 0 0 0 0 0 0 0

Сильманский гроб.

Гробная часть.

Характеристика: 3FF-1 = $\frac{1000000000}{111111110}$

0.98:

0 0111111110 1 1110111000 10100011110
S

001111111110 1110111000 10100011110

hex: 3 F E E E 1 4 7 8

-0.98:

1 0111111110 1 1110111000 10100011110
S

101111111110 1110111000 10100011110

hex: 0 F E E E 1 4 7 8

0.69:

0 0111111110 1 10110000 101000111101011
S

001111111110 10110000 101000111101011

hex: 3 F E B 0 A 3 D

-0.69:

1 0111111110 1 10110000 101000111101011
S

101111111110 10110000 101000111101011

hex: 0 F E B 0 A 3 D 6...

3. Сменная гроб:

Характеристика: $3FF + 10 = 1000000$

1412.93:

0 010000001111 011 0000 100 111 0111 0000 10
J 1

~~0010 0000 0111 0110 0001 0011 1011 1000 0100~~

hex: 0010 0000 0111 1011 0000 1001 1101 1100 0010
2 0 7 B 0 9 D C 2...

-1412.93:

1
J

hex: A 0 7 B 0 9 D C 2...

1388.69:

0 010000001111 0101 1011 0010 1100 0010 100
J 1

~~0100 0000 1111 0101 1011 0010 1100 0010 1000~~

0010 0000 0111 1010 1101 1001 0110 0001 0100
hex: 2 0 7 A D 9 6 7 4...

-1388.69

1
J

hex: A 0 7 A D 9 6 7 4...

5. Формат Tbyte

—1—1—

1. Целая часть

$$\begin{aligned} \text{Характеристика: } 3FFF + 10 &= \\ &= 10000000001111 \end{aligned}$$

1. Целая часть

1412:

$$\begin{array}{r} 0 \ 1000 \ 000 \ 000 \ 1111 \ 0110 \ 000100 \\ \int \end{array}$$

0100 0000 0001 1110 1100 0010 ...

hex: 4 0 1 E C 2 ...

-1412:

$$\begin{array}{r} 1 \\ \int \end{array}$$

hex: C 0 1 E C 2 ...

1388:

$$\begin{array}{r} 0 \ 1000000 \ 000 \ 1111 \ 0101 \ 101100 \\ \int \end{array}$$

0100 0000 0001 1110 1011 0110 ...

hex: 4 0 1 E B 6 ...

-1388:

$$\begin{array}{r} 1 \\ \int \end{array}$$

hex: C 0 1 E B 6 ...

2. Двоичная часть:

Кор-ка. 8FFF - 1: 1111.1111.111110

0.83:

\int_0^1 1111.1111.111110 1110 1110 0001 0100 011110

0111 1111 1111 1101 1101 1100 0010 1000 1111 ...

Hex: 7 F F D D C 2 8 F ...

-0.83:

\int_1^2

Hex: F F F D D C 2 8 F ...

0.69:

\int_0^1 1111.1111.111110 1011 0000 1010 0011 1101 011

Hex: 0111 1111 1111 1101 0110 0001 0100 0111 1010 0110
7 F F D G 1 4 7 A B ...

-0.69:

\int_1^2

Hex: F F F D G 1 4 7 A B ...

3. Системная гробь:

—1—1—

Мар.ка. SPFF + 10 = 1000000000001111

1412.93:

0 1000000000001111 0110000 1001110111000010

0100 0000 0000 1111 0110 0001 0011 1011 1000 0100

hex: 4 0 0 F 6 1 3 B 8 4

1412.93:

1
S

hex: C 0 0 F 6 1 3 B 8 4

1388.69:

0 100000000001111 0101 1011 00101100001010

0100 0000 0000 1111 0101 1011 0010 1100 0010 1000

hex: 4 0 0 F 5 B 2 C 2 8

1388.69:

1
S

hex: C 0 0 F 5 B 2 C 2 8