Informatica generală

Grupa\_IS11Z

Lista exercițiilor seminar 13.04.2020

1. 101010001,112 – 100110111,012 =

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1. D52,4A16 + 6F5,3D16 =

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1. Efectuaţi conversia numărului 677,438 în număr binar, zecimal şi hexazecimal (*преобразовать число* 677,438*в 2-ное, 10-ное и 16-ное числа с точностью до 2-х цифр после запятой*).

**Metoda substitutiei:**

677,438 => 110 111 111, 100 0112

677,438 => 110 111 111, 100 0112 => 0001 1011 1111,1000 11002 => 1BF,8C16

A3,1D to Octal:

A3,1D16 => 1010 0011, 0001 11012 => 010 100 011,000 111 0102 => 243,0728

1100101111,010112 to hexadecimal and octal:

1100101111,010112 => 0011 0010 1111,0101 10002 => 32F,5816

1100101111,010112 => 001 100 101 111,010 1102 =>1457,268

**Metoda formularea desfasurarii mumarului:**

677,438 to zecimal:

677,438 => 6\*8^2 + 7\*8^1 + 7\*8^0 + 4\*8^(-1) + 3\*8^(-2) = 447.54687510

B3,2A16 to zecimal:

B3,2A16 => 11\*16^1 + 3\*16^0 + 2\*16^(-1) + 10\*16^(-2) = 179.164062510

**Metoda impartirii succesive si pentru partea fractionara**:

1415,1610=>587,216

0,16\*16 = 2,56 =>2

1415,1610=>2687,18

0,16\*8 => 1,28 => 1

1. Prezentaţi numărul 7238 în codul zecimal-binar 7421 (*Представьте число 7238 в двоично-десятичном коде 7421*).
2. Reprezinta numarul - 34,1210 în virgulă fixă, 3 după virgulă

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1. Reprezintă numerele +258 și –AE16 în cod complementar

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1. D52,4A16 – 6F5,3D16 =
2. 111110101,112 + 100110111,012 =
3. 756,38 x 3,78 =
4. F3,816 x A,C16 =
5. 456,368 : 37,58 =