

Карташев Владимир Р3131

Домашняя работа №1

$A = 380$ $B = 0,238$ (Вариант 58)

№1

а)

0000.0011	1000.0000
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 BCD

б)

0011.0011	0011.1000	0011.0000
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 ASCII

№2

$A = 380_{10} = 101111100_2$

0	00000010111100
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15 10

$[-A]_{np} = 1.00000010111100$

$[-A]_{os} = 1.111111010000011$
+ 1

$[-A]_{gen} = 1.111111010000011$

1	111111010000011
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15 10

№3.1

$A = (17C)_{16} = (0,17C)_{16} \times 16^3$

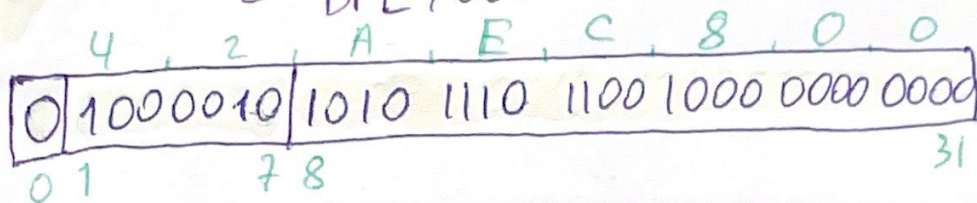
$X_A = P_A + d = 3 + 64 = (67)_{10} = (1000011)_2$

0	1000011	000101111100	000000000000
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01 78 31

N 6.1 $R = 42AEC800$

$S = BFE70000$

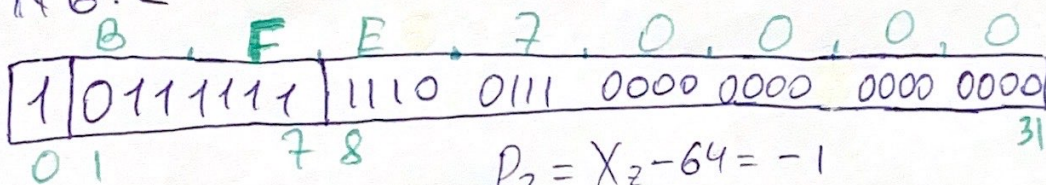


$X_y = \overset{\text{символы}}{66} = 64 + 2$
↑
порядок

$P_y = X_y - 64 = 2$

$y = +(0, AEC8)_{16} \cdot 16^2 = + AEC8 = +174,78125_{10}$

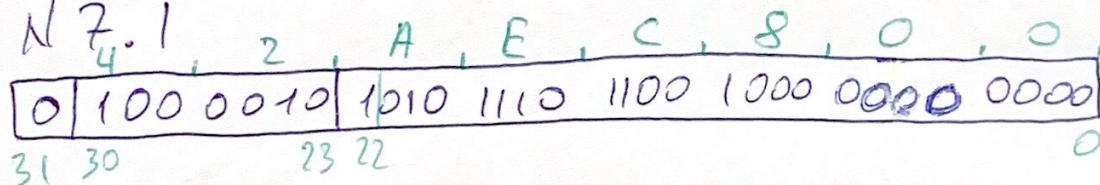
N 6.2



$P_z = X_z - 64 = -1$

$Z = -(0, E7) \cdot 16^{-1} = -(0, 0E7)_{16} = -5,6 \cdot 10^{-2}$

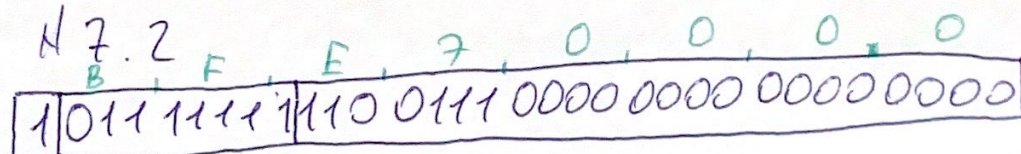
N 7.1



$P_v = X_v - 128 = 133 - 128 = 5$

$V = 0,1010111011001_2 \cdot 2^5 = 10101,11011001_2 = 21,848_{10}$

N 7.2



$P_w = X_w - 128 = 127 - 128 = -1$

$W = (0, 111)_2 \cdot 2^{-1} = (0, 0111)_2 = 111 \cdot 2^{-4} = (0, 4775)_{10}$

N 8.1

$$P_T = X_T - 127 = 133 - 127 = 6$$

$$T = (1010111011001)_2 \cdot 2^6$$

$$T = (1010111011001)_2 \approx 174,781$$

N 8.2

$$P_Q = X_Q - 127 = 127 - 127 = 0$$

$$Q = 111_2 \cdot 2^0 \approx 7$$