

$$N_3 \quad F = 11,39$$

$$F = 11,39$$

$$\begin{array}{r} 11 \overline{) 39} \\ \underline{22} \phantom{0} \\ 17 \phantom{0} \\ \underline{16} \phantom{0} \\ 1 \phantom{0} \end{array}$$

$$\begin{array}{r|l} 0,39 & \times 2 \\ \hline 0,78 & \times 2 \\ 0,56 & \times 2 \\ 0,12 & \times 2 \\ 0,24 & \end{array}$$

$$F = 1011,0110 \Rightarrow H.B(F) = 10110110 \cdot 2^{10}$$

$$G = 14,8_{10}$$

$$14,8$$

$$\begin{array}{r} 14 \overline{) 8} \\ \underline{7} \phantom{0} \\ 1 \phantom{0} \\ \underline{0} \phantom{0} \\ 0 \phantom{0} \end{array}$$

$$\begin{array}{r|l} 0,8 & \times 2 \\ \hline 0,6 & \times 2 \\ 0,2 & \times 2 \\ 0,4 & \times 2 \\ 0,8 & \end{array}$$

$$G = 1110,1100 \Rightarrow H.B(G) = 111011 \cdot 2^{10}$$

$$H = 10,4_{10}$$

$$10,4$$

$$\begin{array}{r} 10 \overline{) 4} \\ \underline{5} \phantom{0} \\ 0 \phantom{0} \\ \underline{0} \phantom{0} \\ 0 \phantom{0} \end{array}$$

$$\begin{array}{r|l} 0,4 & \times 2 \\ \hline 0,8 & \times 2 \\ 0,6 & \times 2 \\ 0,2 & \times 2 \\ 0,4 & \end{array}$$

$$H = 1010,0110 \Rightarrow H.B = 1010011 \cdot 2^{10}$$

$$F+G = \begin{array}{r} 1011011 \cdot 2'' \\ + 1110110 \cdot 2'' \\ \hline 11010001 \cdot 2'' = 26,125 \end{array}$$

$$H \times G = \begin{array}{r} \phantom{x} 1011011 \cdot 2'' \\ \phantom{x} 111011 \cdot 2^{10} \\ \hline \phantom{x} 1011011 \\ 1011011 \\ 1011011 \\ 1011011 \\ 1011011 \\ 1011011 \\ \hline 100110101001 \cdot 2^{101} = 154,068 \end{array}$$

Проверка: ~~17,39 + 14,8 = 32,19~~

$$F+G = 11,39 + 14,8 = 26,19$$

$$H \times G = 154,068$$



$$\text{№7. } E = 0001'0100'1001$$

$$I = 1000'0101$$

$$+ 0001'0100'1001$$

$$1000'0101$$

$$+ 0001'1000'1110$$

$$011001'10$$

$$10'0011'0100$$

двоичная сумма  
коррекции

двоич.-десят. сумма

(234<sub>10</sub>)

$$- 0001'0100'1001$$

$$1000'0101$$

$$1000'0100$$

$$0110$$

$$0110'0100$$

двоич. сумма  
коррекции

(64<sub>10</sub>)

$$\text{№8. } L = 143_{10} = 10001111_2$$

$$OK = 0'10001111$$

$$\bar{A}K = 0'10001111$$

$$143/2$$

$$0171/2$$

$$035/2$$

$$0171/2$$

$$081/2$$

$$041/2$$

$$021/2$$

$$00$$

$$K = 102_{10} = \frac{102}{2} = 51_2 = \frac{51}{2} = 25_2 = \frac{25}{2} = 12_2 = \frac{12}{2} = 6_2 = \frac{6}{2} = 3_2 = \frac{3}{2} = 1_2$$

$$K = 102_{10} = 1100110_2 \quad -K = 1100110_2$$

$$OK(K) = 0'1100110 \quad OK(-K) = 1'0011001$$

$$AK(K) = 0'1100110 \quad AK(-K) = 1'0011010$$

$$L + K = \begin{array}{r} +0'10001111_2 \\ 0'01100110 \\ \hline 0'11110101 \end{array}$$

Проверка:  $102_{10} + 143_{10} = 245_{10}$

$$L - K = L + (-K) = \begin{array}{r} +0'10001111_2 \\ 1'00110010 \\ \hline 0'10110001 \end{array}$$

$$\begin{array}{r} +0'10001111_2 \\ 1'00110010 \\ \hline 0'10110001 \end{array} = 41_{10}$$

$$143 - 102 = 41_{10}$$

Проверка:  $143 - 102 = 41_{10}$