

$$N_3 = FF2$$

$$111$$

$$15152$$

$$15 \cdot 256 + 15 \cdot 16 + 2$$

$$3840 + 242 = 4082$$

4082	0
2041	1
1020	0
510	0
255	1
127	1
63	1
31	1
15	1
7	1
3	1
1	

11111110010



BSN 53 - 2 task . pdf

1. feladat

$$N1 = 226$$

$$\begin{array}{r} 226 \\ 113 \\ 58 \\ 28 \\ 15 \\ 3 \\ 1 \end{array} \begin{array}{l} 0 \\ 1 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array}$$

11100010

$$N2 = 3950$$

$$\begin{array}{r} 3950 \\ 1975 \\ 987 \\ 493 \\ 246 \\ 123 \\ 61 \\ 30 \\ 15 \\ 7 \\ 1 \end{array} \begin{array}{l} 0 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \end{array}$$

1110101010

$$N3 = 2025$$

$$\begin{array}{r} 2025 \\ 1012 \\ 506 \\ 253 \\ 126 \\ 63 \\ 31 \\ 15 \\ 7 \\ 3 \\ 1 \end{array} \begin{array}{l} 1 \\ 0 \\ 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array}$$

111111101001

$$12 \cdot 16^2 + 3 \cdot 16^1 + 15 \cdot 16^0$$

$$3072 + 48 + 15$$

$$\begin{array}{r} 3072 \\ 48 \\ + 15 \\ \hline 3135 \end{array}$$

$$\begin{array}{r} 3135 \\ 1567 \\ 783 \\ 391 \\ 195 \\ 97 \\ 48 \\ 24 \\ 12 \\ 6 \\ 3 \\ 1 \end{array} \begin{array}{l} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 1 \\ 1 \end{array}$$

2. feladat

$$N1 = C3F$$

$$\begin{array}{r} 111 \\ 16^2 \quad 16^1 \quad 16^0 \end{array}$$

$$N2 = B7A$$

$$\begin{array}{r} 111 \\ 117 \quad 10 \end{array}$$

$$11 \cdot 256 + 7 \cdot 16 + 10 \cdot 1$$

$$2816 + 112 + 10 = 2938$$

$$\begin{array}{r} 2816 \\ 112 \\ + 10 \\ \hline 2938 \end{array}$$

$$\begin{array}{r} 2938 \\ 1469 \\ 734 \\ 367 \\ 183 \\ 91 \\ 45 \\ 22 \\ 11 \\ 5 \\ 2 \end{array} \begin{array}{l} 0 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 0 \\ 1 \\ 1 \\ 1 \\ 0 \end{array}$$

101101110010