

Sistemas de Numeração - Lista de Exercícios

1. Efetuar as seguintes operações:

- | | |
|------------------------------|-------------------------------|
| a) $100100_2 + 1010_2$ | g) $111111_2 - 101010_2$ |
| b) $11001_2 + 1001_2$ | h) $11,01_2 - 10,10_2$ |
| c) $101110_2 + 1110_2$ | i) $11010_2 \times 101010_2$ |
| d) $10101101_2 + 10010111_2$ | j) $10001000100_2 / 101011_2$ |
| e) $10,1_2 + 11,01_2$ | k) $100101_2 \times 1001_2$ |
| f) $11101_2 - 111_2$ | |

2. Converter os números para as bases indicadas:

- | | |
|------------------------------|--------------------------------|
| a) $1992_{(10)} (2)$ | k) $0010101111100_{(2)} (16)$ |
| b) $34,75_{(10)} (2)$ | l) $7BA3_{(10)} (2)$ |
| c) $11111001000_{(2)} (10)$ | m) $1274_{(8)} (2)$ |
| d) $10010001101_{(2)} (10)$ | n) $111101110100011_{(2)} (8)$ |
| e) $110011,10011_{(2)} (10)$ | o) $144_{(8)} (16)$ |
| f) $2666_{(10)} (2)$ | p) $1F4_{(16)} (8)$ |
| g) $100101_{(2)} (10)$ | q) $110101110_{(2)} (8)$ |
| h) $500_{(10)} (8)$ | r) $2D3F_{(16)} (10)$ |
| i) $1000_{(10)} (16)$ | s) $F1CD_{(10)} (2)$ |
| j) $764_{(8)} (10)$ | t) $9375_{(10)} (8)$ |