Adição em Binário, Octal e Hexadecimal

1. Realize as adições:

   (i) $100101_2 + 1011_2$

   (ii) $10111_2 + 1101_2$

   (iii) $1100111101_2 + 101110110_2$

   (iv) $110011110_2 + 11011111_2$

   (v) $1011101_2 + 1111001_2$

   (vi) $1110000101_2 + 1000011111_2$

   (vii) $7215_8 + 317_8$

   (viii) $1772_8 + 26_8$

   (ix) $31752_8 + 6735_8$

   (x) $37742_8 + 26573_8$

   (xi) $3645_8 + 2764_8$

   (xii) $3251_8 + 2167_8$

   (xiii) $217_8 + 173_8$

   (xiv) $1D8_{16} + 2A_{16}$

   (xv) $1BF6_{16} + 128_{16}$

   (xvi) $2A4BEF_{16} + 9C829_{16}$

   (xvii) $2AC79_{16} + B7EEC_{16}$

   (xviii) $2748E_{16} + FA7B5_{16}$

2. Efetue as seguintes operações e diga o resultado na base octal:

   (i) $FEFE_{16} + 1110100110001110_2$

   (ii) $384_{10} + 512_{16}$

   (iii) $10011101_2 + 376_8$

   (iv) $3E54_{16} + 1257_8$

   (v) $10110110101_2 + 2FE_{16}$

   (vi) $1374_{10} + 11011011110111_2$

Subtração em Binário, Octal e Hexadecimal

1. Realize as subtrações:

   (i) $100010_2 - 11101_2$

   (ii) $10001101000_2 - 101101101_2$

   (iii) $11001000010_2 - 1111111111_2$

   (iv) $110000001101_2 - 10110011101_2$

   (v) $1001001_2 - 111100_2$

   (vi) $1110000101_2 - 10011111_2$

   (vii) $2351_8 - 1763_8$

   (viii) $37425_8 - 14766_8$

   (ix) $31752_8 - 6735_8$

   (x) $37742_8 - 26573_8$

   (xi) $7215_8 - 317_8$

   (xii) $3251_8 - 2167_8$

   (xiii) $217_8 - 173_8$

   (xiv) $64B2E_{16} - 27EBA_{16}$

   (xv) $43DAB_{16} - 3EFFA_{16}$

   (xvi) $35A3_{16} - 2FEC_{16}$

   (xvii) $B7EEC_{16} - 2AC79_{16}$

   (xviii) $FA7B5_{16} - 2748E_{16}$