

$$d.2) -1026,4096 = (1\ 1000\ 0000\ 010\ 0110\ 1000\ 1101\ 1011\ 1000)_2$$

$$0,0912 \times 2 = 0,1824$$

$$0,1824 \times 2 = 0,3648$$

$$0,3648 \times 2 = \underline{0,7296}$$

○ número de bits na Parte inteira  
excede 10 bits.

### Exercício-2)

$$d.1) + 512, 1024 = (776, 064334)_8 = (1FE, 1A36E)_{16}$$

$$d.2) -1026,4076 = (-2002,3215560)_8 = (-402,68DB8)_H$$

Exercício-3)

$$a) FBC_H + IFC_H = (11B8)_H \quad (b) 3726_8 - 2754_8 = (752)_8$$

<sup>1</sup> <sup>4</sup> <sup>1</sup>  
FBC<sub>16</sub>

$$\frac{1 \text{ FC}}{71 \text{ B8}} \quad \frac{1}{71 \text{ B8}}$$

7768

$$\begin{array}{r} 23726 \\ 2754 \\ \hline 0752 \end{array}$$

### Exercício - 5)

$$\begin{array}{l} a) 213 + -113 = (0110100)_2 \\ \begin{array}{r} 213 = (0110101)_2 \\ -113 = (1110001)_2 \\ \hline (0110100)_2 \end{array} \end{array} \quad \left\{ \begin{array}{l} b) -111010_2 - 101000_2 = (11100010)_2 \\ \begin{array}{r} -111010_2 \\ -101000_2 \\ \hline 110010 \end{array} \end{array} \right.$$

$$213 = (0110101)_2$$

$$-113 = (1\ 111\ 0001),$$

$$\begin{array}{r} 1100101_2 \\ - 110001_2 \\ \hline 1100100 \end{array}$$

$$\begin{array}{r} 6) -111010_2 - 101000_2 = (11100010)_2 \\ -111010_2 \\ -101000_2 + \\ \hline 1100010 \end{array}$$

$$\begin{array}{r} -101000_2 + \\ \hline 1100010 \end{array}$$

$$c) - AFE_H - FDE_H = (11101011011100)_2$$

$$-AFG_H = (110111110)_2 - FDE_H = (11111101110)_2$$

$$\begin{array}{r} 101011110 \\ 1111110110 \\ \hline 110101101100 \end{array}$$

$$(J)_{-647_8 + 3622_8} = (0 \ 10 \ 111 \ 101 \ 011)_2$$

$362_5 = (011\ 110\ 010\ 010)_2$ ,  $647_8 = (110\ 100\ 111)_2$   
 $\begin{array}{r} 011\ 110\ 010\ 010 \\ 00110\ 010\ 010 \\ \hline 00110\ 100\ 111 \\ 10111\ 101\ 011 \end{array}$

$$\begin{array}{r} \textcircled{\begin{matrix} 0 & 2 & 7 \\ 1 & 1 & 0 \end{matrix}} \quad \textcircled{\begin{matrix} 2 & 8 & 1 \\ 0 & 2 & 0 \end{matrix}} \quad \textcircled{\begin{matrix} 1 & 2 & 2 \\ 0 & 1 & 0 \end{matrix}} \\ \hline 00110 \quad 100 \quad 111 \\ \hline 10111 \quad 101 \quad 011 \end{array}$$

Exercício 0-6)

a)  $123 = (5)$

$$127 - 123 = 4(101)_2 + 1 = (110)_2 = 5$$

$$(6) 5124_8 = (2654)_{10}$$

$$(5124)_8 = (101\ 001\ 010\ 100)_2 \therefore (010\ 110\ 101\ 011)_2 + 1$$

$$(010\ 110\ 101\ 100)_2 = (2654)_8$$

$$A1B_H = (5E5)_H$$

$$A/B_H = (1010\ 0001\ 1011)_2 \therefore (0101\ 1110\ 0100)_2 + 1$$

$$01011100101)_2 = (SES)_H$$