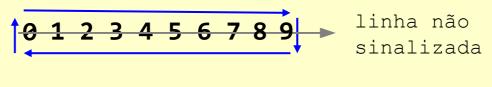


ELTD03z Microcontroladores/Microprocessadores

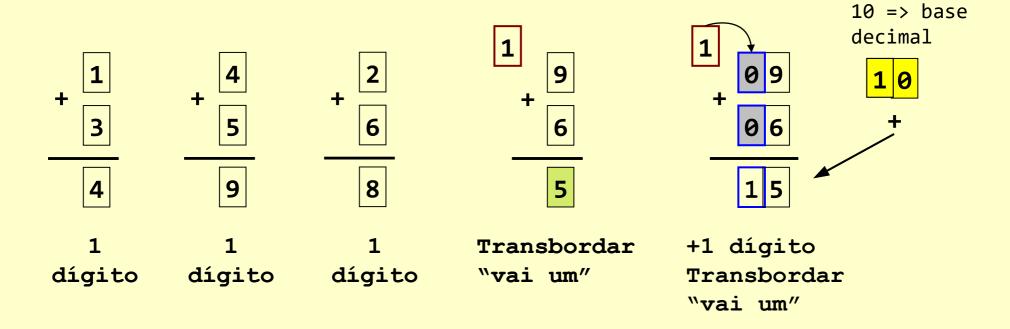
Teoria_03a1_1b

Prof. Enio R. Ribeiro

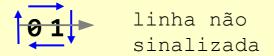
Base decimal - base 10



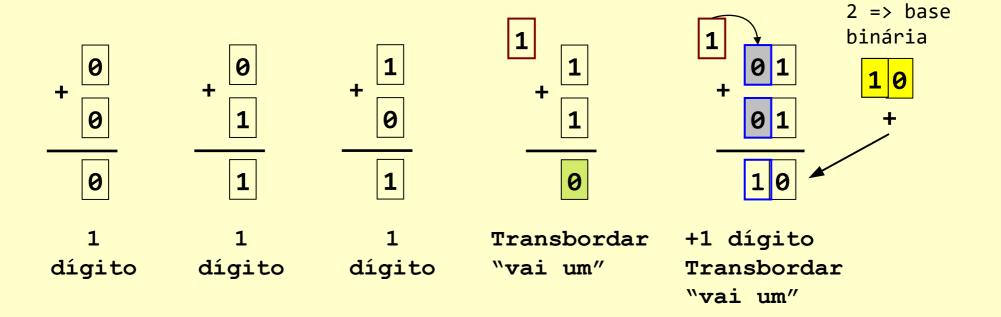
Operação: adição



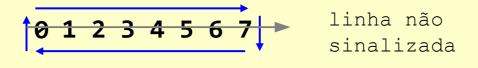
Base binária - base 2



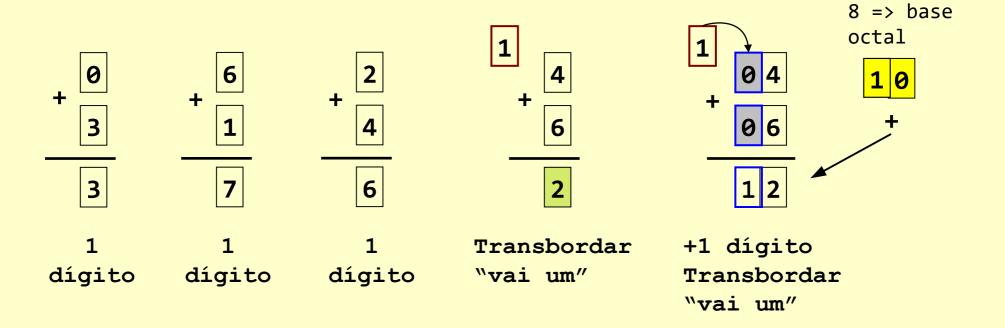
Operação: adição



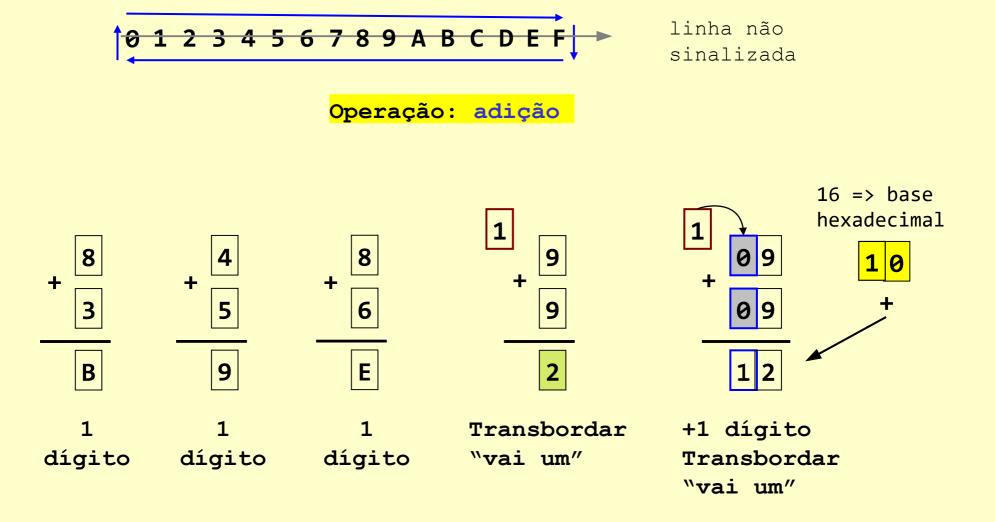
Base octal - base 8



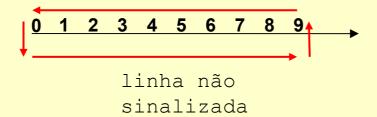
Operação: adição



Base hexadecimal - base 16

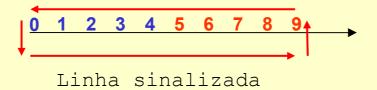


Base decimal - base 10



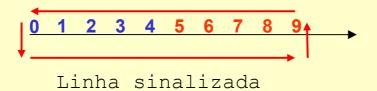
Operação: subtração

Base decimal - base 10



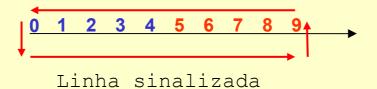
Operação: subtração

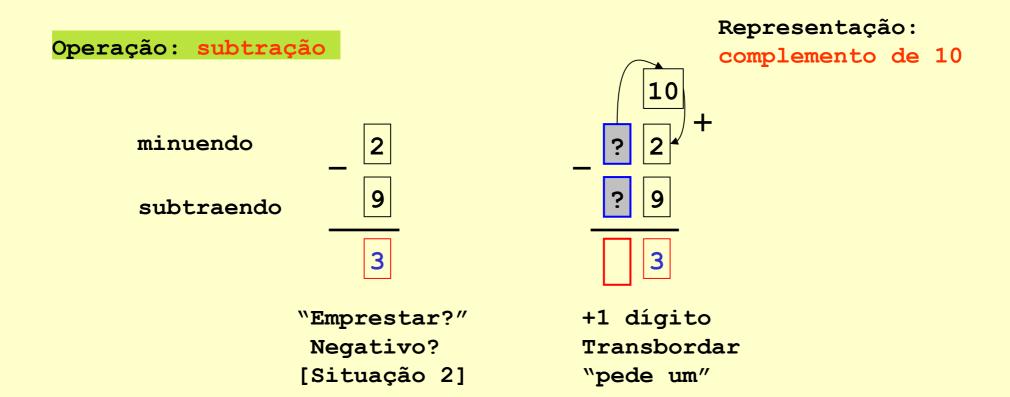
Base decimal - base 10



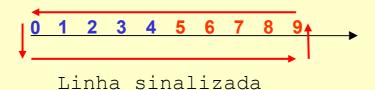


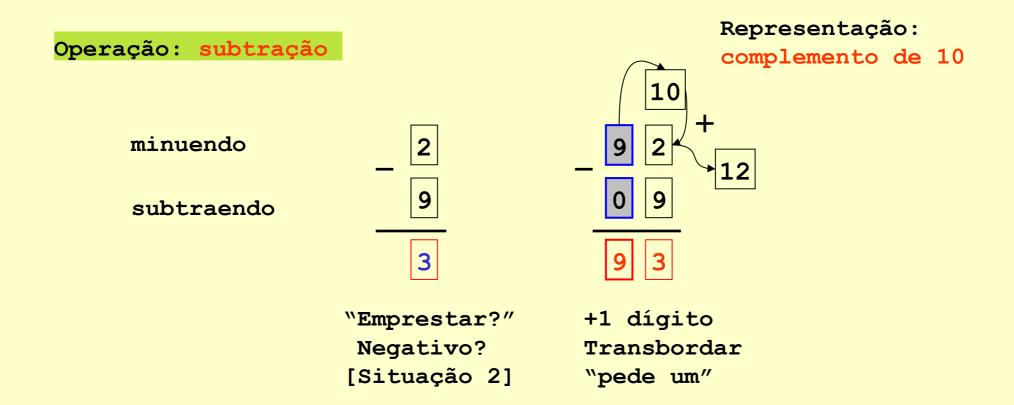
Base decimal - base 10



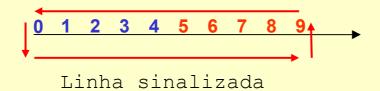


Base decimal - base 10



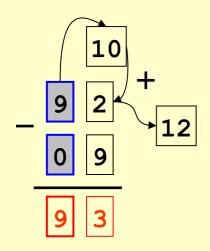


Base decimal - base 10



Representação:

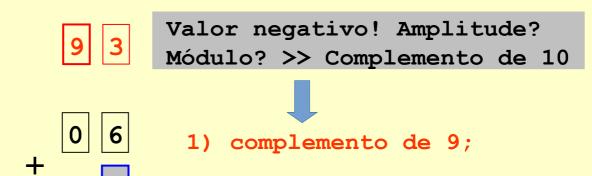
complemento de 10



+1 dígito Transbordar "pede um"

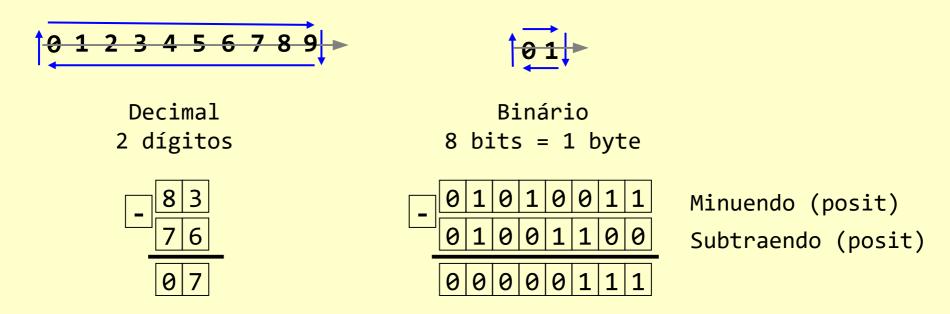
Complemento de 10:

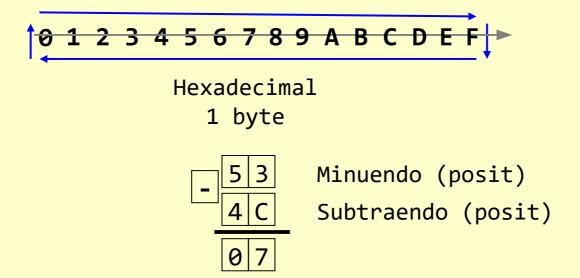
- 1) complemento de 9;
- 2) adicionar "1'



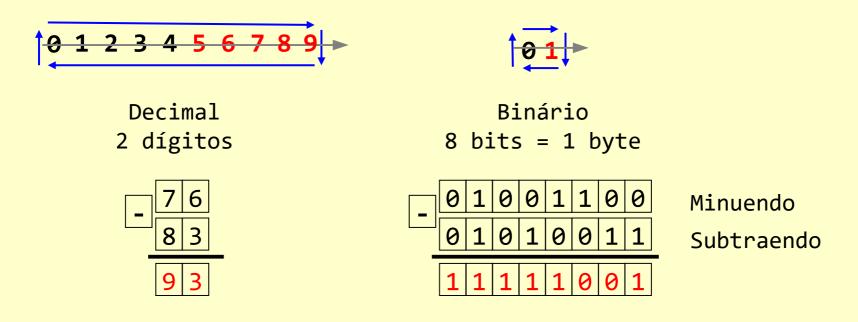
2) adicionar "1'

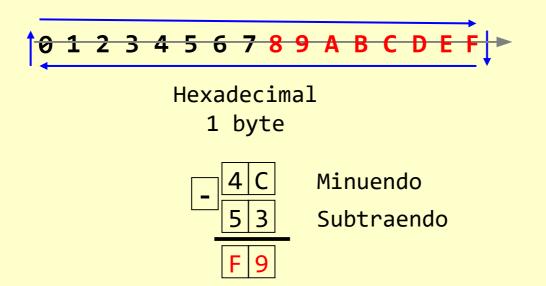
T3.1) Revisão: bases numéricas e operações - exemplos



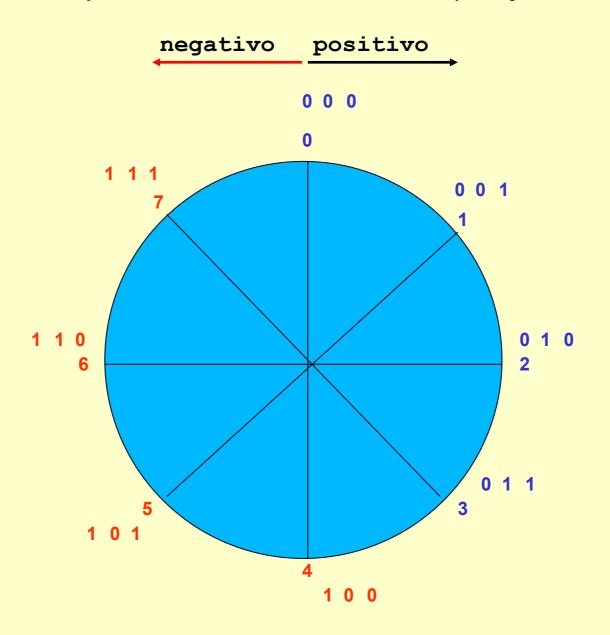


T3.1) Revisão: bases numéricas e operações - exemplos





T3.1) Revisão: bases numéricas e operações



Faça a seguintes operações de forma manual. Expresse corretamente o resultado. Considere que cada valor é um valor positivo.

- a) Some os fatores (binário): 01010011 e 01101011;
- b) Some os fatores (binário): 11010110 e 10101101;
- c) Some os fatores (hexadecimal): F7 e 39;
- d) Some os fatores (hexadecimal): 7C e 89;
- e) Subtraia os fatores (hexadecimal): 3D B1;
- f) Subtraia os fatores (hexadecimal): 93 87;
- g) Subtraia os fatores (binário): 01011011 01101010;
- h) Subtraia os fatores (binário): 11010110 e 10111101;