1 1 Curs 2 0x01 E D (F 1 O(Nd), 222 0001 0001 0001 0001 E E O(Nlag N) E (E E 6 a ruplimentara 1000

Seminor 2

	-
0001 0001 0001 2	
01 01 01 4	
0104218	
163+ 162+161+160= 110	

101.101 Valourea recimale. #· 5.625 = 0,1010) $\frac{2}{3} \approx 0,666.$ 3 $X = \sum_{i=0}^{m-2} b_i * 2^i - \left(\sum_{i=0}^{m-2} 2^i + 1 \right)$ = $\sum_{i=0}^{n-2} 2^{i}(b_{i}-1)-1$ = = 2 i (1-5i) +A

E N 9 4 20. bot 2. 69 + -- +2 V. 1 bimart 1 2 2 1 2 = 2

$$(22331)_4 = 2 2 3 3 1 = (1010111101)_2$$

$$(1010 | 111101)_2 = (1275)_8$$

 $(1010 | 111101)_2 = (26d)_{16}$

· OXDEAF

DEAF

1101 1110 A F

(DEAF /16 = (110111101010 10 10 10 10 10 10 10 10 1111) 2

eximderea pe biti ne tace cu o pentru numere noturale, au 1

1

@ numere indregi pe16 biti OXFEED

|F | E | = | 101 (OXFEED) 16 = (1111 1110 1110 1101) 2 (1111 1110 1110 1101) 2 = (33323231) 4 (1111 1119 1110 1101)= 1 = (177 355)8

(1111 1110 1110 1101) = 20 + 22 + 23 + 25 + 26 + 27 + 29 + 210+211 + 211+213 + 214+215 = - 27

~6 = (0000 0001 0001 0010) = (274)10

(-b+1)=(000 0001 0001 0011) = 275

b = - (~b+1)

· OX FFFF

(FFF)16 = (1114 4114 4114 1144)

(FFFF)16 = -1

· 1111 1111 0000 0000

(1111 1111 0000 0000) = (FF00) 16

ap = 0000 0000 1111 1111 ? (-144) = (0000 0004 0000 00 b = - (~ b+1) = -28 = -256

$$\frac{(1111 \ 0000 \ 1111 \ 0000)_{2}}{3}$$

$$= 3^{4} + 2^{5} + 2^{6} + 2^{7} + 2^{12} + 3^{13} + 2^{14} - 2^{15} = -3856$$

(9)
$$\frac{1100}{1000}$$
 $\frac{0110}{1000}$ $\frac{1000}{1000}$ $\frac{1000}{$

1 + 1 = \$ 0,5 + 0.125

luciam pe 8 biti $(1110 \ 1010)_{2}^{2} = -22 \ (2^{1} + 2^{3} + 2^{5} + 2^{6} - 2^{7})$ extindem cu 4biti de 1 $(1111 \ 1)10 \ 1010)_{2} = (-22 + 2 \cdot 2^{7} = 234)$ 234 + 28 + 29 + 210 - 211 $28 + 29 + 210 = 28(1 + 2 + 4) = 7 \cdot 28 = 28(8 - 4)$ $28 + 29 + 210 - 211 = 8 \cdot 28 - 28 - 211 = 241 - 28 - 211$ = -28 = -28 = -28= 234 + 28 + 29 + 210 - 211 = 234 - 256 = [-22]

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