LISTA DE EXENCÍCIOS: SISTEMAS DE NUMERAÇÃO E LOGICA BINARIA

$$0,5625 \times 2 = 1,125 \Rightarrow 1$$

 $0,125 \times 2 = 0,250 \Rightarrow 0$
 $0,250 \times 2 = 0,5 \Rightarrow 0$
 $0,5 \times 2 = 1 \Rightarrow 1 = 1001$

2 8bits /8bits/8bits/8bits

10 ~ 4bits | 5 ~ b 3 bits | 6 ~ b 3 bits

p	9		~p				~p*n->9	
	*						F	
		F			F	V		
		n (9)	~n	P+n	av~n	p+n	es oball	
		V	F	V	V	-		
				F			F	
	F		E		Fa	0	F (3	
		F	V	F	V	1	F	
F			1	V				
F				V	V			
			P	V	F		F	
		F	V	V	V		VROT	

c) p	→ (p	$\rightarrow \sim n$	$) \leftrightarrow q$	v _n	(AUGUSTO G	OMES DE ALGA	ENTAGA BIZATITIA)
P	9	n	\sim n	poon	p + (p + ~n)	qun,	p > (p > ~ n) + q ~ n
V	V	V	F	F	į.	V	T.
V	V	F	V	V	V	V	V
V	E	V	F	F	F	V	F
V	F	F	V	V	V	F	F
F	V	V	F	V	V	V	V
F	V	F	V	V	V	V	V
F	F	V	F	V	V	V	V
F	F	P	V	V	V	F	F
P 9 V V	n ·	rn ~	P P' F V	V	ν 9 v~n ~	p ↔ 9 ~~	$\frac{n \left(p^{2}q \rightarrow n\right)^{2} \left(\sim p \leftrightarrow q^{2} \sim n\right)}{V}$
VF	V	F	t t	V	F	V	V
V F F V	F	V	FF	V	V	+	V
FV	V	V	VF	V	V	V	V
FF	V	F	VF	V	F	F	F
FP	P	V	VP	V	V	V	V
a) V; b) E, c) V; d) V;	$F \rightarrow 1$ $\Rightarrow V^{\wedge}$	F = F $F = F$ $F = F$ $F = F$	= V	- /s = F	f) ~F → 1 g) (V V F) h) (F → F) i) (V^~V	1 (V V F) - D V

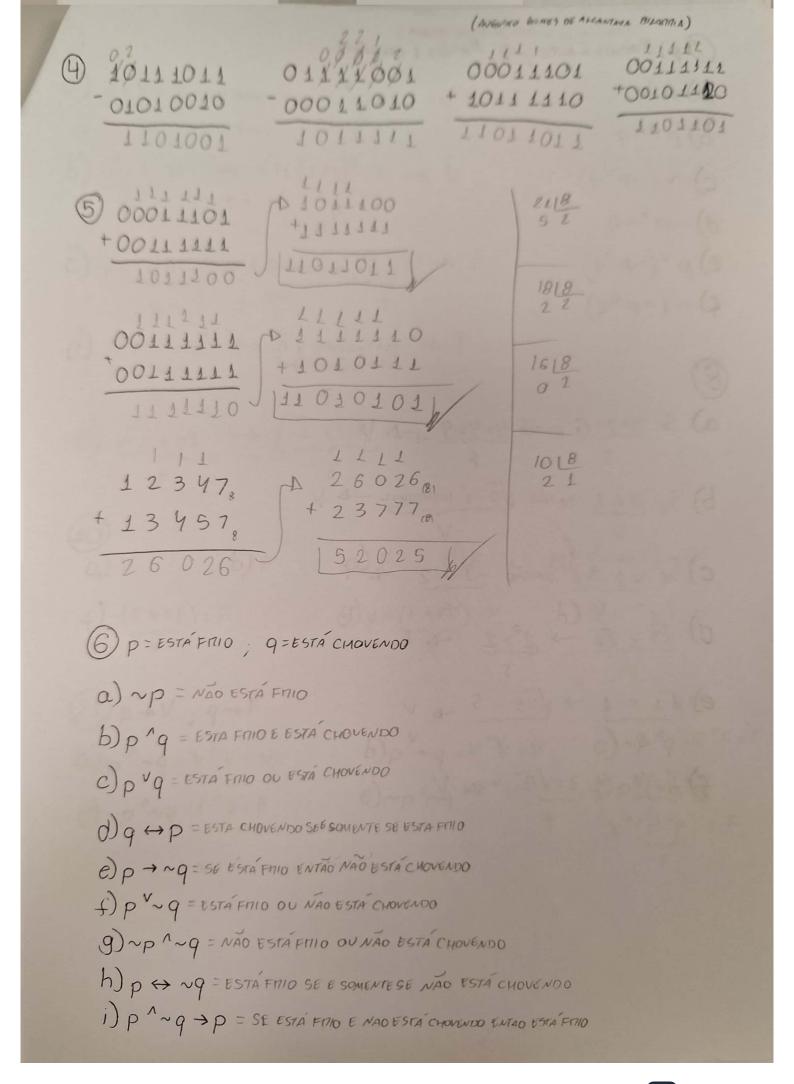
d) 134, 2200, logo possui no máximo 8bits

RESPOSTA 2: letras a'e'd'.

a)
$$10011_2 = 1.2^{\circ} + 1.2^{\circ} + 0.2^{\circ} + 0.2^{\circ} + 1.2^{\circ} = 19$$

e)
$$1111_8 = 1.8^{\circ} + 1.8^{1} + 1.8^{2} + 1.8^{3} = 585$$

 $() = (3 + 1)^{3} + (2 + 1)^{2} + (1)^{2} + (1)^{2} + (1)^{2} = 15,375$



Dp: MARICOS É ALTO ; 9: MARICOS É ELEGANTE

a) p 19

b) p^aq

c) ~ (~p 4)

d)~p^~9

e) p v (~p^9)

5)~(~pvg)

8

a) SE 3+2=6 ENTÃO 4+4=9 - N

b) SE Q L 1 ENTÃO V 2 É INMACIONAL DV

c) SE $\sqrt{3} > 1$ ENTÃO -12-2 - A F

d) $\sqrt{3} > \sqrt{2} \rightarrow 2^{\circ} = 2 \rightarrow F$

 $e) \sqrt{-1} = -1 \rightarrow \sqrt{25} = 5 \rightarrow V$

 $f) \stackrel{1}{=} \stackrel{4}{=} \rightarrow 3 = \sqrt{5} \rightarrow V$

(AUGUSTO GOMES DE ALCANTAGA BIZAMTIA) a) 3+4=7 SEE SOMENTESE 53=125 - DV b) 0=1 SE E SOMENTE SE (1+5) = 3 -D V C) \(\sum_{2} \, \sum_{8} = 4 \) SE E SOMENTESE \(\sum_{2} = 0 - \sum_{5} \) F d) 32+42=52 F TI E MACIONIONAL A F $e) \sqrt{-2} = -2 \rightarrow V$ (10) (10) V b) F e) F d) F e)~(v + F) = V f)~(F+)=F h)~(F1V)=V $9)V \rightarrow (F \leftrightarrow F) = V$

$$(30)$$

$$a) V \qquad b) F \qquad c) F \qquad d) F \qquad e) \sim (v \leftrightarrow F) = V$$

$$f) \sim (F \leftrightarrow F) = F \qquad 9) V \rightarrow (F \leftrightarrow F) = V \qquad h) \sim (F^{1}V) = V$$

$$(21) p \rightarrow V ; q \rightarrow F$$

$$(3) p \sim q = V \wedge V = V$$

$$(4) \sim p \sim q = F \wedge V = V$$

$$(5) p \sim q = F \wedge V = F$$

$$(7) \sim p \sim q = F \wedge V = F$$

$$(8) \sim p \sim q = F \wedge V = F$$

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