Formate portable IEEE754

Representance m. In regulo

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Platanta

XE

Whenta

besta

exponent

N = 0.55 (861+) N = .10001100 N = 0.546875 (8 = N-N=0.03125)

0.55 · 2

1.10 · 2 · 1

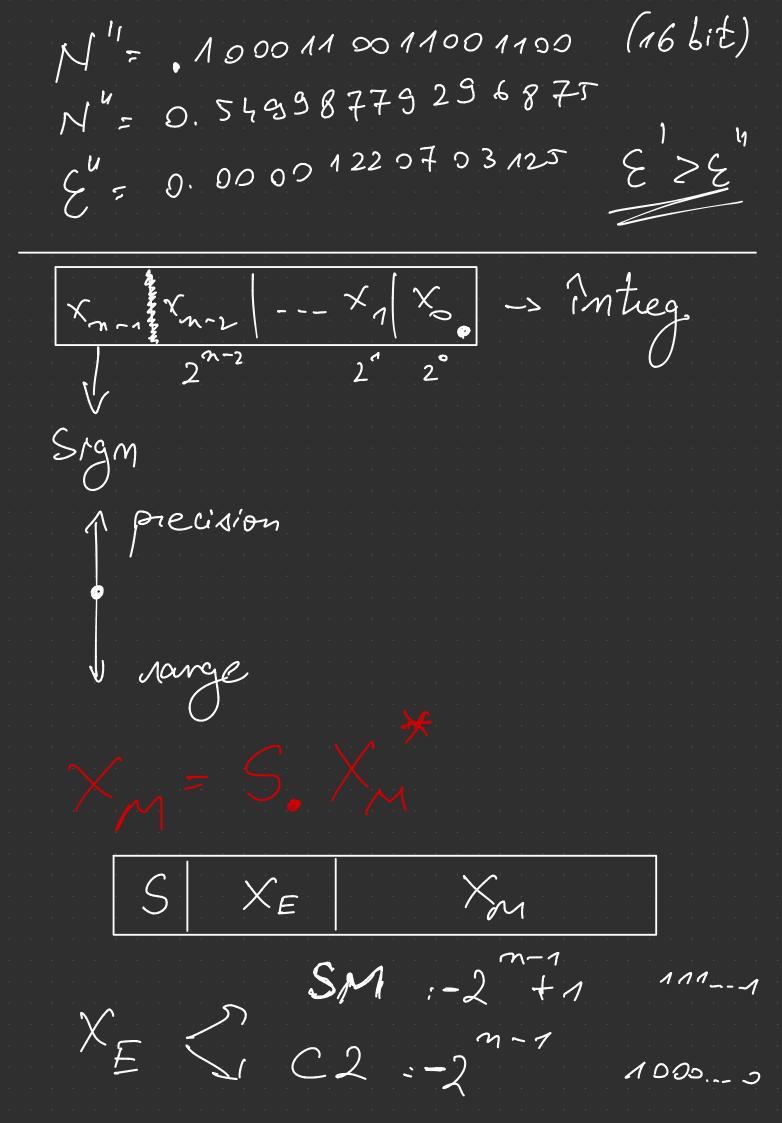
0.20 · 2 · 0

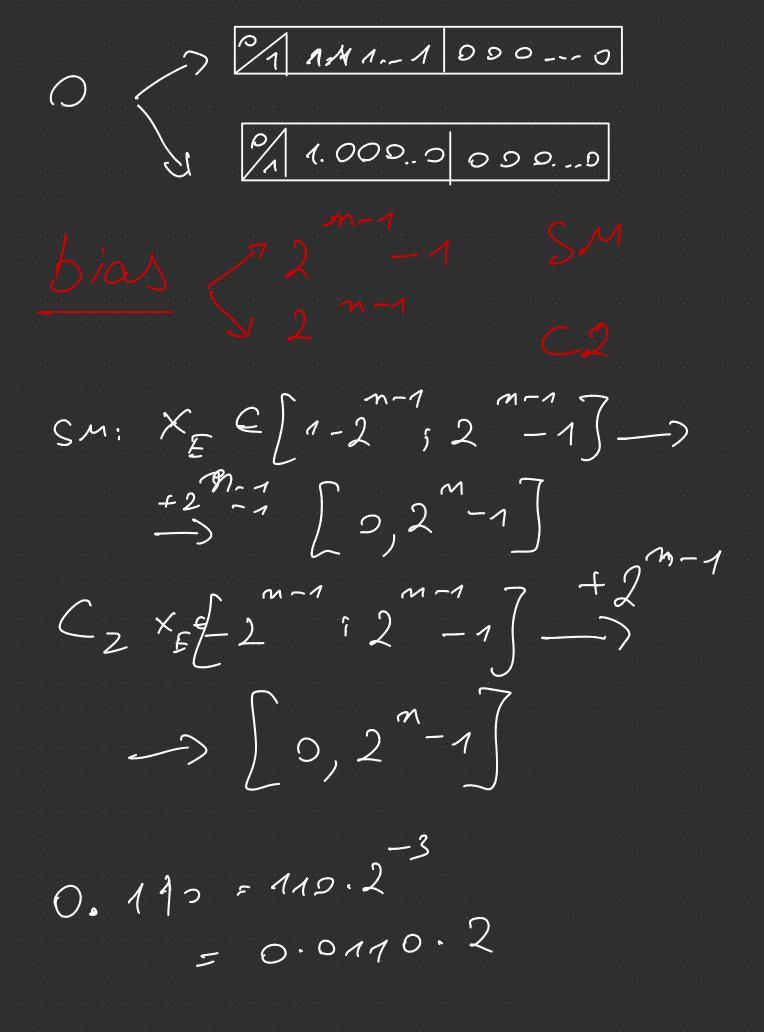
0.80 · 2 · 0

1.60 · 2 · 1

1.20 · 2 · 1

0,40 · 0





-) MSB al Exponentului

$$\frac{7}{8} = 0.111$$
SM
 $\frac{1}{2} \leq |x_{1}| \leq 1$
 $\frac{7}{8} = 1.111$
SM

$$X_{S} = 1.0 \times x^{*}$$
 $X_{M} = 0.0 \times x^{*}$
 $X_{M} = 1.0 \times x^{*}$

$$X_{E} - exces$$

$$X = (-1) \times 2 \times (1. \times s)$$



 $P_{MAx} = (-1) \times 2 \times 1.11...1$ $P_{MAx} = (-1) \times 1.11...$

D 0000000 0 000 0 000 0

 $P_{MiN} = (-1) \cdot 2 \cdot (1.99 - 9)$ $= (-1) \cdot 2 \cdot (1.99 - 9)$

Ma M->Not a number

$$X = X = 275$$

$$CJ = 0 \qquad FE = XE_{min} = 0$$

$$X_S = 0$$

$$X_S = 0$$

$$X_A = (-1) \times 2^{1-bias} \times (0.X_S)$$

Reps. IEEE 754 75.046875 1)001 011,00000 11 x 2 = 1.001011000011 0.046875 *260.093750 0.187500 -0.375000 - 2 \bigcirc 0.750000 . 2 \bigcirc 1 500000 1 1.0000000

$$C 1A = 0000 16$$

$$1100|0001|0101|1100|0---0$$

$$X = (-1) \times 2 = (-1.010111)$$

Format IBM bros merces de 64 ;

 $16^{XE} = 2^{4*XE} \frac{SXEXM}{217277}$

$$75.046875701001000011_{20}$$

$$0.01001011000011 * 16$$

$$X = 2 + 600 = 66 = 1000010$$

$$X_{1} = 0100101100001100 = 0$$

$$100001001001000001100 = 0$$

Analiza functională si sintesa dry positivelos de adurane si scadere, bitraio si zecimola

Avantoje: « Suprafata l' « Consum Ernerg l » Frecv. operare 1 Defarantaje à Latenta net final 1 (Least significant) digit first) 7 LSOF MSDF (Mest...)

lim	\sim , γ							
W	0,0	0,1	1,1	1,0				
0	0/	0/1	1/0	0/				
1	0/1	1/0	1/1	1/0				

	in			247	
	X	× × × ×		k	2
0	0	0	9	⅍	
	Q			*	
	1		e e	**	1
0	1	1	1 1 1	2	

a.b+c.d=-a.b. E.d NANS GATES