1. Lista de exercicios Algoritmos Numéricos
2. Sinal \* (1+M) \* 2^(E - 127)
3. +(1+ 2^-2) \* 2^(124-127) = 1,25 \* 2^-3 =

0,15625

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1. +(1+2^-2)\* 2^(129-127) = 1,25 \* 2^2 = 5

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1. -(1+0,4375) \* 2^(126 -127) = -1,4375 \* 2^-1

= −0,71875

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1. +(1+0,391601563) \* 2^(1030 -1023) =

+1,391601563 \* 2^7 = 50,125

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1. -(1+0,22265625)\* 2^(1029-1023) =

-1,22265625 \* 2^6 = -78,25

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3.

1. r = p + q

r = 133 + 0,921 -> 133,921

p\* 133

q\* 0,921

r\* = 133,921

|r - r\*| = 133,921 + 133,921 = 0,000

|r - r\*| / |r| = 0

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B)

r = 133 - 0, 499 = 132,501

P\* = 133

Q\* = 0,500

R\* = 133 - 0,500 = 132,500

|r - r\*| = |132,501 - 132,500| = 0,100

|r - r\*| / |r| = 0,000754711 = 0

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