Danaunal pasaua # 1(our 05 09.2023)

# 1.1.

$$(x) = 1, 2571$$
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Cheenium bug!

 $(x) = 1 = 100 + 2 = 100 + 5 = 100 + 7 = 100$ 

ΔX = 0,62.10-5 Cuemm long'

$$\begin{array}{l}
\lambda = 0, 01 \\
b) \chi = 17, 392 \\
h = 4 \\
\text{Cuerum bep:} \\
\chi = 1.10 + 7.10 + 3.10 + 9.10 + 2.10 = 2 \\
M = 0 \\
\text{Maga:} \\
\Delta X \le 0, 5.10 - 41 = 2 \Delta X = 0, 5.10 \\
\delta_{X} \le \frac{\omega}{\sqrt{1}} \frac{1}{3} = 2 \delta_{X} = \frac{0, 5.10}{1} = 0, 5.10 \\
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\delta_{X} \le 0.10 \\
\delta_{X}$$

 $X = 7.10^{-3} + 7.10^{-9} + 5.10^{-3} + 1.10^{-6} = >$ 

 $0,62.10 \le 0,5 = 3-n+1 = 2-5 \le -3-n+1$ 

M = -3

pabrenue:

Um:
$$S_{X} = \frac{\Delta X}{|X|} = \frac{0,5.10}{17,392}$$

$$2) Z = \frac{e^{-X}}{e^{y}}, n = 4$$

$$\Delta X^{*} = 0,5.10^{-3}, X = 0,871$$

$$\Delta y^{*} = 0,1.10^{-9}, y^{*} = 1,153$$

$$Z = \frac{e^{-1,153}}{e^{-1,153}} = 0,132126$$

$$\Delta Z = \frac{2}{2} \frac{\partial Z}{\partial K} \Delta K$$

$$\Delta X = \Delta X, \Delta y$$

$$\Delta X = \frac{\partial Z}{\partial X} \Delta X + \frac{\partial Z}{\partial Y} \Delta y = 1 - e^{-X}$$

$$\Delta Z = |\frac{\partial Z}{\partial x}|\Delta X + |\frac{\partial Z}{\partial y}|\Delta y = |-e^{-X-y}|\Delta X + |\frac{\partial Z}{\partial y}|\Delta y = |-e^{-X-y}|\Delta X + |-e^{-X-y}|\Delta y = 0,132126 \cdot 0,5.10^{3} + |-e^{-X-y}|\Delta x + |-e^{-X-$$

Curekum bup!
$$Z = 0.10 + 1.10 + 3.10 + 2.10 + 1.10 + 2.10 + 1.10 + 2.10 + 1.10$$

Cpabmum:
$$0,06738426.10^{-3} \le 0,5.10^{-1-h+1} = >$$

$$-3 \le -1-h+1$$

$$h = 3 = >$$

Z = 0,132