

CrInGeCrInGe Production. Super cringe introduction here:
 Let's calculate smth with expression given:

$$\ln (1.000 + x)$$

Firstly, let's insert all constants and simplify it:

$$\ln (1.000 + x)$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT THIS EX-
 PRESSION IN THE POINT (x = 1.000000)...

IT'S VALUE = 0.693147 !!!

Calculating the 1 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

3 step: finding a derivation of function:

$$(1.000 + x)$$

here it is:

$$1.000$$

4 step: finding a derivation of function:

$$\ln (1.000 + x)$$

here it is:

$$\frac{1.000}{1.000 + x}$$

Calculating the 2 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$1.000$$

$$1$$

here it is:

$$0.000$$

3 step: finding a derivation of function:

$$1.000 + x$$

here it is:

$$1.000$$

4 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

5 step: finding a derivation of function:

$$\frac{1.000}{1.000 + x}$$

here it is:

$$\frac{(-1.000) \cdot 1.000}{(1.000 + x)^{2.000}}$$

Calculating the 3 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

3 step: finding a derivation of function:

$$(1.000 + x)$$

here it is:

$$1.000$$

4 step: finding a derivation of function:

$$(1.000 + x)^{2.000}$$

here it is:

$$2.000 \cdot (1.000 + x)$$

5 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

6 step: finding a derivation of function:

$$\frac{(-1.000)}{(1.000 + x)^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot (1.000 + x)}{((1.000 + x)^{2.000})^{2.000}}$$

Calculating the 4 derivation of the expression:

1 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

2 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

3 step: finding a derivation of function:

$$(1.000 + x)$$

here it is:

$$1.000$$

4 step: finding a derivation of function:

$$((1.000 + x)^{2.000})$$

here it is:

$$2.000 \cdot (1.000 + x)$$

5 step: finding a derivation of function:

$$((1.000 + x)^{2.000})^{2.000}$$

here it is:

$$2.000 \cdot (1.000 + x)^{2.000} \cdot 2.000 \cdot (1.000 + x)$$

6 step: finding a derivation of function:

$$x$$

here it is:

$$1.000$$

7 step: finding a derivation of function:

$$1.000$$

here it is:

$$0.000$$

8 step: finding a derivation of function:

$$(1.000 + x)$$

here it is:

$$1.000$$

9 step: finding a derivation of function:

$$2.000$$

here it is:

$$0.000$$

10 step: finding a derivation of function:

$$2.000 \cdot (1.000 + x)$$

here it is:

$$2.000$$

11 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

12 step: finding a derivation of function:

$$(-1.000) \cdot 2.000 \cdot (1.000 + x)$$

here it is:

$$-2.000$$

13 step: finding a derivation of function:

$$(-1.000)$$

here it is:

$$0.000$$

14 step: finding a derivation of function:

$$(-1.000) \cdot (-1.000) \cdot 2.000 \cdot (1.000 + x)$$

here it is:

$$2.000$$

15 step: finding a derivation of function:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot (1.000 + x)}{((1.000 + x)^{2.000})^{2.000}}$$

here it is:

$$\frac{2.000 \cdot ((1.000 + x)^{2.000})^{2.000} - 2.000 \cdot (1.000 + x)^{2.000} \cdot 2.000 \cdot (1.000 + x) \cdot (-1.000) \cdot (-1.000) \cdot 2.000 \cdot (1.000 + x)}{(((1.000 + x)^{2.000})^{2.000})^{2.000}}$$

Finally... The 4 derivation of the expression:

$$\frac{2.000 \cdot ((1.000 + x)^{2.000})^{2.000} - 2.000 \cdot (1.000 + x)^{2.000} \cdot 2.000 \cdot (1.000 + x) \cdot (-1.000) \cdot (-1.000) \cdot 2.000 \cdot (1.000 + x)}{(((1.000 + x)^{2.000})^{2.000})^{2.000}}$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT THE 4
DERIVATION OF THIS EXPRESSION IN THE POINT (x = 1.000000)...

IT'S VALUE = -0.375000 !!!

Partial derivation of the expression on the variable 'x':

$$\frac{1.000}{1.000 + x}$$

IN THE POINT (x = 1.000000) IT'S VALUE = 0.500000 !!!

Maklorens formula:

$$0.693 + 0.500 \cdot (x - 1.000) + (-0.125) \cdot (x - 1.000)^{2.000} + 0.042 \cdot (x - 1.000)^{3.000}$$