

CrInGeCrInGe Production. Super cringe introduction here:

Let's calculate smth with expression given:  $f(\text{Timasok}, \text{Vlados}) =$

$$\textit{Timasok}^{3.000} \cdot \cos\left(\frac{1.000}{\textit{Timasok}} + \textit{Vlados}\right)$$

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

$$Timasok^{3.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right)$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT IT!!! IN THE POINT (Timasok = 3.000,

Vlados = 1.000)IT'S VALUE = 6.351 !!!

1 step: finding a derivation of function:

*Vlados*

here it is:

1.000

2 step: finding a derivation of function:

*Timasok*

4

here it is:

1.000

3 step: finding a derivation of function:

1.000

5

here it is:

0.000

4 step: finding a derivation of function:

1.000  

---

*Timasok*

6

here it is:

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

5 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$



here it is:

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

6 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlos)\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

7 step: finding a derivation of function:

*Timasok*

here it is:

1.000

8 step: finding a derivation of function:

*Timasok*<sup>3.000</sup>

12

here it is:

$$3.000 \cdot Timasok^{2.000}$$

9 step: finding a derivation of function:

$$Timasok^{3.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot Timasok$$

Congratulations! The first derivation of the expression is:

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot Timasok$$

IN THE POINT (Timasok = 3.000, Vlados = 1.000)IT'S VALUE = -16.975 !!!



Let's calculate the 3 derivation of the expression:

Calculating the 1 derivation of the expression:

1 step: finding a derivation of function:

*Vlados*

here it is:

1.000

2 step: finding a derivation of function:

*Timasok*

18

here it is:

1.000

3 step: finding a derivation of function:

1.000

19

here it is:

0.000

4 step: finding a derivation of function:

1.000  

---

*Timasok*

20

here it is:

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

5 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$

here it is:

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

6 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlos)\right)$$



here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

7 step: finding a derivation of function:

*Timasok*

here it is:

1.000

8 step: finding a derivation of function:

*Timasok*<sup>3.000</sup>

26

here it is:

$$3.000 \cdot Timasok^{2.000}$$

9 step: finding a derivation of function:

$$Timasok^{3.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot Timasok$$

Calculating the 2 derivation of the expression:

1 step: finding a derivation of function:

*Timasok*

here it is:

1.000

30

2 step: finding a derivation of function:

$$Timasok^{3.000}$$

here it is:

$$3.000 \cdot Timasok^{2.000}$$

3 step: finding a derivation of function:

1.000

here it is:

0.000

32



4 step: finding a derivation of function:

*Timasok*

here it is:

1.000

33

5 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$

6 step: finding a derivation of function:

$(-1.000)$

here it is:

0.000

35

7 step: finding a derivation of function:

$$\frac{(-1.000)}{Timasok^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

8 step: finding a derivation of function:

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

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

9 step: finding a derivation of function:

*Vlados*

here it is:

1.000

40



10 step: finding a derivation of function:

*Timasok*

here it is:

1.000

41

11 step: finding a derivation of function:

1.000

here it is:

0.000

42

12 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

13 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$

here it is:

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

14 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$\cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

15 step: finding a derivation of function:

$$(-1.000)$$



here it is:

0.000

49

16 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

17 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

18 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot Timasok^{3.000}$$

here it is:

$$((-1.000) \cdot \cos(\frac{1.000}{Timasok} + Vlos) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

19 step: finding a derivation of function:

*Vlados*

here it is:

1.000

56



20 step: finding a derivation of function:

*Timasok*

here it is:

1.000

57

21 step: finding a derivation of function:

1.000

here it is:

0.000

58

22 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

23 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlos)$$

here it is:

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

24 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlos)\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

25 step: finding a derivation of function:

*Timasok*



here it is:

1.000

26 step: finding a derivation of function:

$Timasok^{2.000}$

65

here it is:

$$2.000 \cdot Timasok$$

27 step: finding a derivation of function:

$$3.000$$

$$66$$

here it is:

0.000

28 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000}$$

67

here it is:

$$3.000 \cdot 2.000 \cdot \textit{Timasok}$$

29 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlos)$$

here it is:

$$3.000 \cdot 2.000 \cdot T_{imasok} \cdot \cos\left(\frac{1.000}{T_{imasok}} + V_{lados}\right) + (-1.000) \cdot \sin\left(\frac{1.000}{T_{imasok}} + V_{lados}\right) \cdot \left(\frac{(-1.000)}{T_{imasok}^{2.000}} + 1.000\right) \cdot 3.000 \cdot$$

30 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot Timasok$$

here it is:

$$3.000 \cdot 2.000 \cdot Timasok \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot$$

Calculating the 3 derivation of the expression:



1 step: finding a derivation of function:

1.000

here it is:

0.000

73

2 step: finding a derivation of function:

*Timasok*

here it is:

1.000

74

3 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$

4 step: finding a derivation of function:

$(-1.000)$

here it is:

0.000

76

5 step: finding a derivation of function:

$$\frac{(-1.000)}{Timasok^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

6 step: finding a derivation of function:

$$\left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$



7 step: finding a derivation of function:

*Vlados*

here it is:

1.000

81

8 step: finding a derivation of function:

*Timasok*

here it is:

1.000

82

9 step: finding a derivation of function:

1.000

here it is:

0.000

83

10 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

11 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$

here it is:

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

12 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{Timasok} + Vlados\right)$$



here it is:

$$\cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

13 step: finding a derivation of function:

$$(-1.000)$$

here it is:

0.000

90

14 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

15 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

16 step: finding a derivation of function:

*Timasok*

here it is:

1.000

95

17 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$



18 step: finding a derivation of function:

3.000

here it is:

0.000

97

19 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000}$$

here it is:

$$3.000 \cdot 2.000 \cdot Timasok$$

20 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000} \cdot (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$3.000 \cdot 2.000 \cdot Timasok \cdot (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) + ((-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlado\right))$$

21 step: finding a derivation of function:

*Timasok*

here it is:

1.000

101

22 step: finding a derivation of function:

$$Timasok^{3.000}$$

here it is:

$$3.000 \cdot Timasok^{2.000}$$

23 step: finding a derivation of function:

*Vlados*

here it is:

1.000

103

24 step: finding a derivation of function:

*Timasok*

here it is:

1.000

104



25 step: finding a derivation of function:

1.000

here it is:

0.000

105

26 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

27 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$

here it is:

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

28 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$\cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

29 step: finding a derivation of function:

$$(-1.000)$$

here it is:

0.000

112



30 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlosos\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

31 step: finding a derivation of function:

*Timasok*

here it is:

1.000

32 step: finding a derivation of function:

$(Timasok^{2.000})$

115

here it is:

$$2.000 \cdot Timasok$$

33 step: finding a derivation of function:

$$(Timasok^{2.000})^{2.000}$$

here it is:

$$2.000 \cdot Timasok^{2.000} \cdot 2.000 \cdot Timasok$$

34 step: finding a derivation of function:

$$Timasok$$

here it is:

1.000

35 step: finding a derivation of function:

2.000

118

here it is:

0.000

36 step: finding a derivation of function:

$2.000 \cdot Timasok$

119

here it is:

2.000

37 step: finding a derivation of function:

(−1.000)

120



here it is:

0.000

38 step: finding a derivation of function:

$(-1.000) \cdot 2.000 \cdot \textit{Timasok}$

121

here it is:

−2.000

39 step: finding a derivation of function:

(−1.000)

122

here it is:

0.000

40 step: finding a derivation of function:

$(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}$

123

here it is:

2.000

124

41 step: finding a derivation of function:

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

here it is:

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

42 step: finding a derivation of function:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}} \cdot (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$\frac{2.000 \cdot (Timasok^{2.000})^{2.000} - 2.000 \cdot Timasok^{2.000} \cdot 2.000 \cdot Timasok \cdot (-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{((Timasok^{2.000})^{2.000})^{2.000}} \cdot (-1.000) \cdot \sin$$



43 step: finding a derivation of function:

1.000

here it is:

0.000

129

44 step: finding a derivation of function:

*Timasok*

here it is:

1.000

130

45 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$

46 step: finding a derivation of function:

(-1.000)

here it is:

0.000

132

47 step: finding a derivation of function:

$$\frac{(-1.000)}{Timasok^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

48 step: finding a derivation of function:

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

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$



49 step: finding a derivation of function:

1.000

here it is:

0.000

137

50 step: finding a derivation of function:

*Timasok*

here it is:

1.000

138

51 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$

52 step: finding a derivation of function:

$(-1.000)$

here it is:

0.000

140

53 step: finding a derivation of function:

$$\frac{(-1.000)}{Timasok^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

54 step: finding a derivation of function:

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

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$



55 step: finding a derivation of function:

*Vlados*

here it is:

1.000

145

56 step: finding a derivation of function:

*Timasok*

here it is:

1.000

146

57 step: finding a derivation of function:

1.000

here it is:

0.000

147

58 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

59 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$

here it is:

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

60 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlos)\right)$$



here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

61 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

62 step: finding a derivation of function:

(-1.000)

here it is:

0.000

156

63 step: finding a derivation of function:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot (\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000)}{(Timasok^{2.000} + 1.000)^2})$$

64 step: finding a derivation of function:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot (\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000)}{(Timasok^{2.000} + 1.000)^2})$$



65 step: finding a derivation of function:

$$((-1.000) \cdot \cos(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

here it is:

$$(-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000)}{(Timasok^2)}$$

66 step: finding a derivation of function:

$$((-1.000) \cdot \cos(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

here it is:

$$((-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000)}{(Timasok^2}$$

67 step: finding a derivation of function:

$$((-1.000) \cdot \cos(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

here it is:

$$((-1.000) \cdot ((-1.000) \cdot \sin(\frac{1.000}{Timasok} + Vlados) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000)}{(Timasok^2}$$

68 step: finding a derivation of function:

*Timasok*

here it is:

1.000

167

69 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$



70 step: finding a derivation of function:

3.000

here it is:

0.000

169

71 step: finding a derivation of function:

$$3.000 \cdot Timasok^{2.000}$$

here it is:

$$3.000 \cdot 2.000 \cdot Timasok$$

72 step: finding a derivation of function:

1.000

here it is:

0.000

171

73 step: finding a derivation of function:

*Timasok*

here it is:

1.000

172

74 step: finding a derivation of function:

$$Timasok^{2.000}$$

here it is:

$$2.000 \cdot Timasok$$

75 step: finding a derivation of function:

$(-1.000)$

here it is:

0.000

174

76 step: finding a derivation of function:

$$\frac{(-1.000)}{Timasok^{2.000}}$$

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$



77 step: finding a derivation of function:

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

here it is:

$$\frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot \textit{Timasok}}{(\textit{Timasok}^{2.000})^{2.000}}$$

78 step: finding a derivation of function:

*Vlados*

here it is:

1.000

179

79 step: finding a derivation of function:

*Timasok*

here it is:

1.000

180

80 step: finding a derivation of function:

1.000

here it is:

0.000

181

81 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

82 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlados)$$



here it is:

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

83 step: finding a derivation of function:

$$\sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$\cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

84 step: finding a derivation of function:

$$(-1.000)$$

here it is:

0.000

188

85 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlos)\cdot\left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

86 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

here it is:

$$(-1.000) \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$



87 step: finding a derivation of function:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot Timasok^{2.000}$$

here it is:

$$((-1.000) \cdot \cos(\frac{1.000}{Timasok} + Vlos) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) \cdot (\frac{(-1.000)}{Timasok^{2.000}} + 1.000) + \frac{(-1.000) \cdot (-1.000) \cdot 2.000 \cdot Timasok}{(Timasok^{2.000})^{2.000}}$$

88 step: finding a derivation of function:

*Vlados*

here it is:

1.000

195

89 step: finding a derivation of function:

*Timasok*

here it is:

1.000

196

90 step: finding a derivation of function:

1.000

here it is:

0.000

197

91 step: finding a derivation of function:

$$\frac{1.000}{Timasok}$$

here it is:

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

92 step: finding a derivation of function:

$$(\frac{1.000}{Timasok} + Vlos)$$



here it is:

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

93 step: finding a derivation of function:

$$\cos\left(\frac{1.000}{Timasok} + Vlos)\right)$$

here it is:

$$(-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right)$$

94 step: finding a derivation of function:

*Timasok*

here it is:

1.000

95 step: finding a derivation of function:

2.000

204

here it is:

0.000

96 step: finding a derivation of function:

$2.000 \cdot T_{imasok}$

205

here it is:

2.000

97 step: finding a derivation of function:

3.000

206

here it is:

0.000

98 step: finding a derivation of function:

$3.000 \cdot 2.000 \cdot \textit{Timasok}$

207

here it is:

6.000

208



99 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot Timasok \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right)$$

here it is:

$$6.000 \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot Timasok$$

100 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot Timasok \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot$$

here it is:

$$6.000 \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot Timasok -$$

101 step: finding a derivation of function:

$$3.000 \cdot 2.000 \cdot Timasok \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot$$

here it is:

$$6.000 \cdot \cos\left(\frac{1.000}{Timasok} + Vlos) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlos) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot Timasok -$$

Finally... The 3 derivation of the expression:

$$6.000 \cdot \cos\left(\frac{1.000}{Timasok} + Vlados\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + Vlados\right) \cdot \left(\frac{(-1.000)}{Timasok^{2.000}} + 1.000\right) \cdot 3.000 \cdot 2.000 \cdot Timasok -$$

BRITISH SCIENTISTS WERE SHOCKED, WHEN THEY COUNT THE 3 DERIVATION OF THIS EXPRESSION!!! IN THE POINT (Timasok = 3.000, Vlados = 1.000)IT'S VALUE = -47.008 !!!



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

$$3.000 \cdot Timasok^{2.000} \cdot \cos\left(\frac{1.000}{Timasok} + 1.000\right) + (-1.000) \cdot \sin\left(\frac{1.000}{Timasok} + 1.000\right) \cdot \frac{(-1.000)}{Timasok^{2.000}} \cdot Timasok^{3.000}$$

IN THE POINT (Timasok = 3.000, Vlos = 1.000) IT'S VALUE = 9.267228 !!!

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

$$27.000 \cdot (-1.000) \cdot \sin(0.333 + Vlados)$$

IN THE POINT (Timasok = 3.000, Vlados = 1.000) IT'S VALUE = -26.242323 !!!

Full derivation:

$$\sqrt{(3.000 \cdot Timasok^{2.000} \cdot \cos(\frac{1.000}{Timasok} + 1.000) + (-1.000) \cdot \sin(\frac{1.000}{Timasok} + 1.000) \cdot \frac{(-1.000)}{Timasok^{2.000}} \cdot Timasok^{3.000})^{2.000}}.$$

IN THE POINT (Timasok = 3.000, Vlos = 1.000)IT'S VALUE = 27.831 !!!

Let's consider the expression as a function of Timasok variable:  $f(\text{Timasok}) =$

$$\text{Timasok}^{3.000} \cdot \cos\left(\frac{1.000}{\text{Timasok}} + 1.000\right)$$

Maklorens formula for Timasok near to 3.000000:

$$6.351 + 9.267 \cdot (Timasok - 3.000) + 4.022 \cdot (Timasok - 3.000)^{2.000} + 0.540 \cdot (Timasok - 3.000)^{3.000} + 0.000 \cdot (Timasok - 3.000)^{4.000}$$

And remainig member is o maloe from:

$$(Timasok - 3.000)^{4.000}$$

Graph f(Timasok):

Tangent equation in point -2.000:  $f(\text{Timasok}) =$

$$9.572 \cdot (\text{Timasok} - (-2.000)) + (-7.021)$$

Normal equation in point -2.000:  $f(\text{Timasok}) =$

$$(-0.104) \cdot (\text{Timasok} - (-2.000)) + (-7.021)$$