

**The Problem Posed by Norbert Henze at the Conference in Honour of Estate Khmaladze's 75th birthday**

The date of birth of Estate Khmaladze, being 20 October 1944, can be represented as the sequence of digits

20101944

Using brackets, signs  $+$ ,  $-$ ,  $\times$ ,  $/$  and *power* in between these digits, make the equality

$$20101944 = 75$$

correct.

A. Solutions:

- $2^0 + 1 + 0 + 1 + 9 \times (4 + 4) = 75$
- $-2^0 + 101 - 9 - 4 \times 4 = 75$
- $20 + 10 + 19 + 4 \times 4 = 75$  -wrong
- $20 - 1 - 0 + (1 + 9 + 4) \times 4 = 75$
- $2 + 0 + 10 + 19 + 44 = 75$
- $20 + 10 + 1^9 + 44 = 75$
- $2^0 + 10 + (-1 + 9) \times (4 + 4) = 75$
- $2 + 0 + 1 + 0 + (19) \times 4 - 4 = 75$
- $(20 + 1 + 0 \times 1 - 9/4) \times 4 = 75$

B. Omar Purtukhia says one should add the condition: a string of digits with no operation between them is interpreted as one number; for example the sequence  $+101+$  is the number 101 and the sequence  $+19+$  is the number 19.

C. Is there any other solution?

D. ...