## Gaussova eliminačná metóda

21 September 2021 14:24

ERO1 - VSMENA 2 PLADEOU

ERO2 - PRENTSOBEME RIDKU NENULOUSM C

ERO 3- PRICITANIE IVB. RIADKU

1) 
$$x+y-z=10$$
  
 $10 \times 1 + y+z=-12$   
 $5 \times +2y+z=-6$   
 $(x)$ 
 $($ 

SKUSKA: Lj= -2+9+8= 10=P,V Lz= -20+16-8=-12=P2V

$$X = -110 + 15 A$$

$$A = -32+4A$$

SKUŠKAR 
$$L_1 = -110 + 156 - (-52 + 4A) + A = -110 + 15A + 128 - 18X + A = 18 = P_0 V$$

$$L_2 = -220 + 30X + 224 - 28A - 2A = 4 = P_2 V$$

$$L_3 = -440 + 60X + 416 - 52X - 8A = -24 = P_3 V$$

$$L = -110 + 15A; -32 + 44; A; A \in \mathbb{R}$$

10) 
$$S \times_{1} \times_{2} + 2 \times_{3} + 10 \times_{4} = 0$$
  
 $- \times_{1} + 2 \times_{2} + 6 \times_{3} - 5 \times_{4} = 9$  (-0)  $C$   
 $9 \times_{1} + 12 \times_{2} + 5 \times_{3} + 13 \times_{4} = 1$   
 $-2 \times_{1} - 5 \times_{2} - 20 \times_{3} + 5 \times_{4} = 1$ 

14) 
$$x_{1}+2x_{2}+3x_{3}+4x_{4}+5x_{5}=2$$
  
 $3x_{2}+2x_{3}+x_{4}+6x_{5}=-11$   
 $3x_{2}+2x_{3}+4x_{4}-4x_{5}=-15$   
 $2x_{1}+4x_{2}+6x_{3}-x_{4}+25x_{5}=4$