Memag Payeca)

• 0 1 -2 3 A1 Mampusse
$$A = \begin{pmatrix} 0 & 1 & -2 & 3 \\ -3 & 2 & -7 & 0 & 42 \\ 1 & 0 & 1 & 2 & 2 \end{pmatrix}$$

· 1 0 1 2 A3

2 1 0 1 A4 X

0 2 -4 6 A5 = A2+3A3 X

0 1 - 2 3 A6 = A4 - 2A3 X

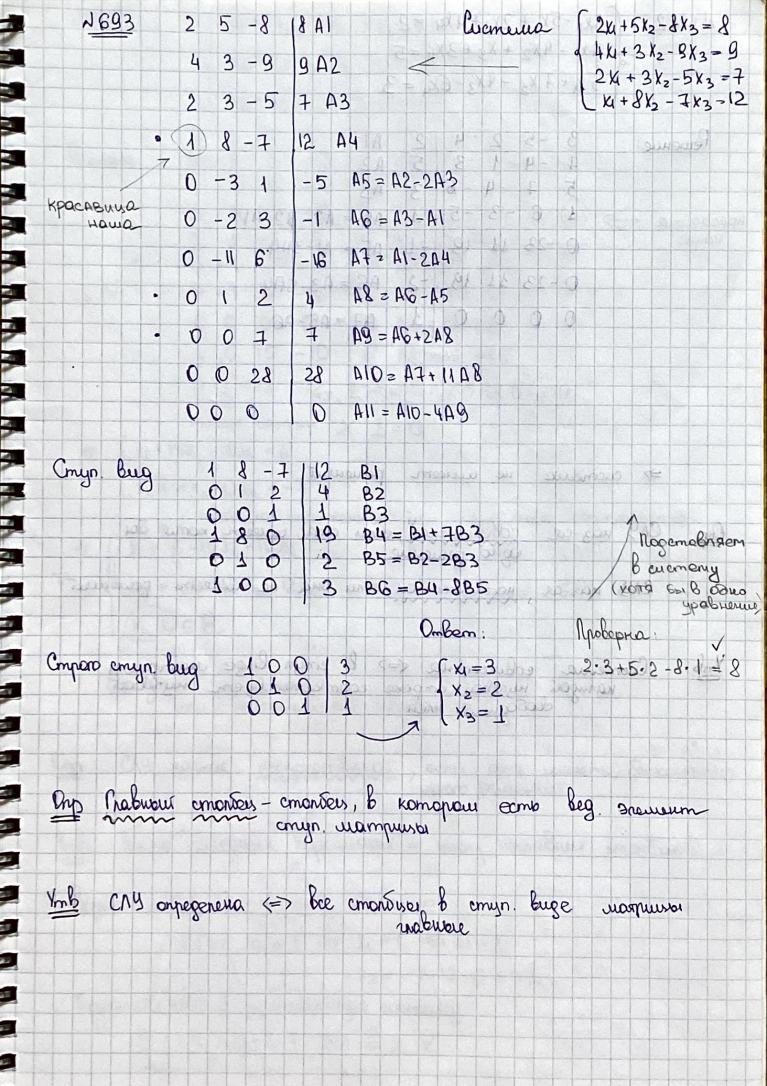
0 0 0 0 A7 = A5-2A1

 $0 \quad 0 \quad 0 \quad -6 \quad A8 = A6 - A1$

01-23 B2 X

Comport enzyneu bug: (1010 00-20 000(1) 0000

$$\begin{pmatrix} 0 & 1 & -2 & 3 \\ -3 & 2 & -7 & 0 \\ 1 & 0 & 1 & 2 \\ 2 & 1 & 0 & 1 \end{pmatrix} \sim \begin{pmatrix} 1 & 0 & 1 & 2 \\ 0 & 1 & -2 & 3 \\ 0 & 0 & 0 & -6 \\ 0 & 0 & 0 & 0 \end{pmatrix} \sim \begin{pmatrix} 1 & 0 & 1 & 0 \\ 0 & 1 & -2 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 \end{pmatrix}$$



Makalako

```
N684
              5x+4x2+3x3-2x4=2,
              4x4+3x2+6x3-4x4=3,
              34+2/2+8x3-6k4-4
                             AI
 Peneme:
              4 3 -2
           5
              3 6
                             A2
           3 2 9 -6
                             A3
                          -1 A4 = A1-A2
              1-3 2
                          7 A5 = A2 - 4A4
              -1 18 -12
                         7 AG = A3-3A4
           0-1 18-12
                         0 A7 = A5-A6
            00
                 0
                     0
                          6 A8 = A4+45
           1 0 15 -10
                         -7 A9 = - A5
            0 1-18 12
     K+15x3-10k4=6
      X2 4 18 X3+12 X4 =-7
         rabuble repeneurale unu sabucumore repeneurule
     / K = 6-15 x3+10 Ky
      X2 = -7 + 18 x3 - 12 x4 - obusee persenue CAY
      (X3, X4 ER
    Chosopure repensential
              HEZABUCILLIDE REPERBULLIDE
    Chy kaz-al Heonnegenéwhat
                               , earl one when beckoned to
                                micro pemennei
1mb 4ucho charagues neperientiax = 4uchy nornabiliax emantisob
          Hardon yearnoe pemenne:
           X3=1, X4=1 => K=6-15+10=1
                          x_2 = -1 + 12 - 12 = -1
  Regenebraem & uzuananonyo eucmeny:
       5.1+4.(-1)+3.1-2.1 = 2 V
```

3 again e napamempou.
$$\int x_1 - x_2 - 2x_3 = -1$$

$$\begin{cases} x_1 - x_2 - 2x_3 = -1 \\ \lambda x_1 + 2x_2 + x_3 = 4, \\ x_2 + \lambda x_3 = 5 \end{cases}$$

$$\begin{pmatrix} 1 & -1 & -2 & | & -7 \\ \lambda & 2 & 1 & | & 8 \\ 0 & 1 & \lambda & | & 5 \end{pmatrix} \sim \begin{pmatrix} 1 & -1 & -2 & | & -7 \\ 0 & 2+\lambda & 1+2\lambda & | & 8+7\lambda \\ 0 & 1 & \lambda & | & 5 \end{pmatrix} \sim \begin{pmatrix} 1 & -1 & -2 & | & -7 \\ 0 & 1 & \lambda & | & 5 \\ 0 & 2+\lambda & 1+2\lambda & | & 8+\lambda-7 \end{pmatrix}$$

$$\sim \begin{pmatrix} 1 & -1 & -2 & | & -7 \\ 0 & 1 & \lambda & | & 5 \end{pmatrix}$$
emigneura tous large

•
$$\lambda = -\frac{1}{4}$$
 = $\frac{1}{2}$ $\begin{pmatrix} 1 - 1 - 2 & | -7 \\ 0 & 1 - 1 & | 5 \\ 0 & 0 & | -4 \end{pmatrix}$ = cucmenta rpu $\lambda = -1$

•
$$\lambda = 1 \Rightarrow \begin{pmatrix} 1 - 1 - 2 & | -1 \\ 0 & 1 & | & | & 5 \\ 0 & 0 & 0 & | & 0 \end{pmatrix} \sim \begin{pmatrix} 1 & 0 - 1 & | & -\frac{2}{4} \\ 0 & 1 & | & 5 \\ 0 & 0 & 0 & | & 5 \end{pmatrix} \Rightarrow \begin{array}{c} \text{cacmenta rpu } \lambda = 1 \\ \text{cobsummas u} \\ \text{recorrespondents} \end{array}$$

Obusee persense $\begin{cases} X_1 = -4 + X_3, \\ X_2 = 5 - X_3, X_3 \in \mathbb{R} \end{cases}$