y1 = 59 -5. 59 - 5 y2 = -460 92 = -3.3 5 · 5 9 + 2 (-33) + 3 y 3 = 193 10 = - 12 I pume evening h x = y 12+ - 5 x2 + 5 x3 = 59 5 N2 + 2 N3 = - 33 3 23 = - 12 $z_3 = -4$; $z_2 = -5$; $z_4 = 6$

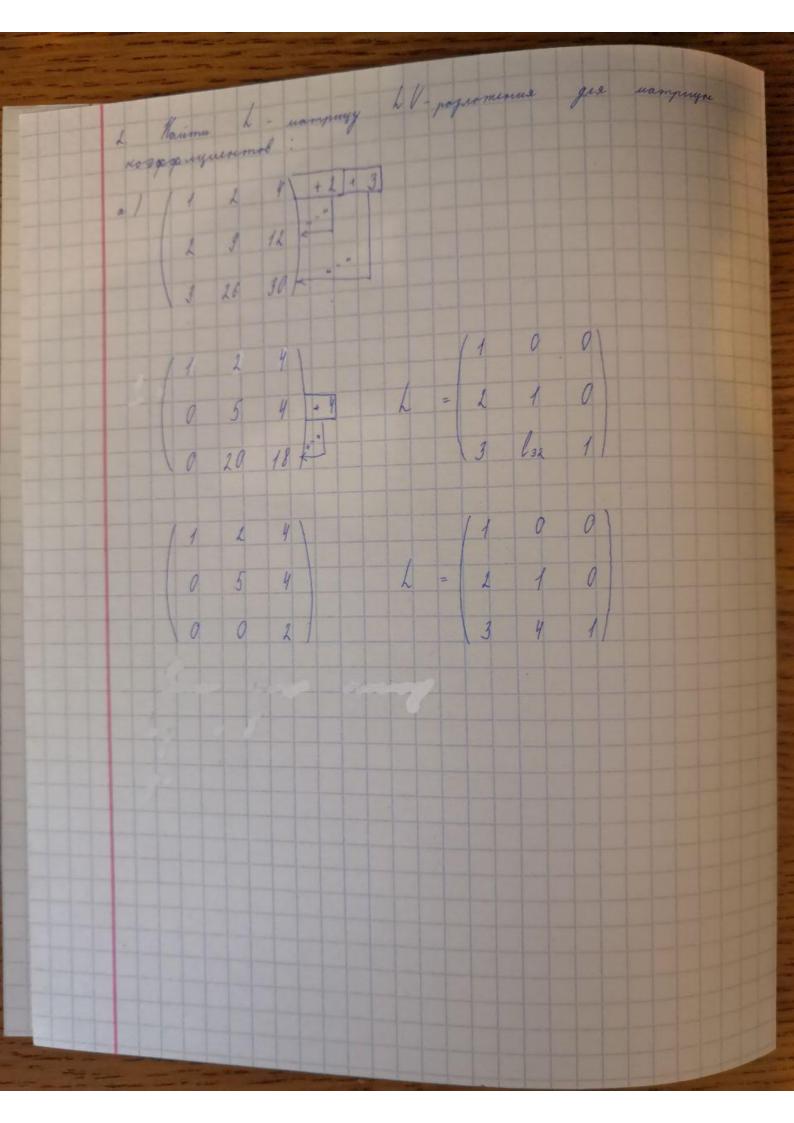
1. Tumms memmy prakousemi memogen bayera: (x, + x - x - 2 x - 0 2 x + 1 22 - 23 + Xv = -2 21 + 1/2 - 3/23 + 1/4 = 4 Запини распиренную наприну ситим. 11 1-1-2 0 -2-1 2 1 -1 1 -2 1 1 -3 1 4/4 11 1 -1 -2 0 0 -1 1 5 -2 0 0 -2 2+ + IL - X3 - 2 X4 = 0 $- x_2 + x_3 + 5 x_4 = -2$ -2 x3 + 3 x4 = 4 Ir = C - 1 x3 + 3c = 4 - 2 23 = 4 - 30 $\mathcal{X}_3 = -\frac{4-3c}{2} = -2 + 1,5c$

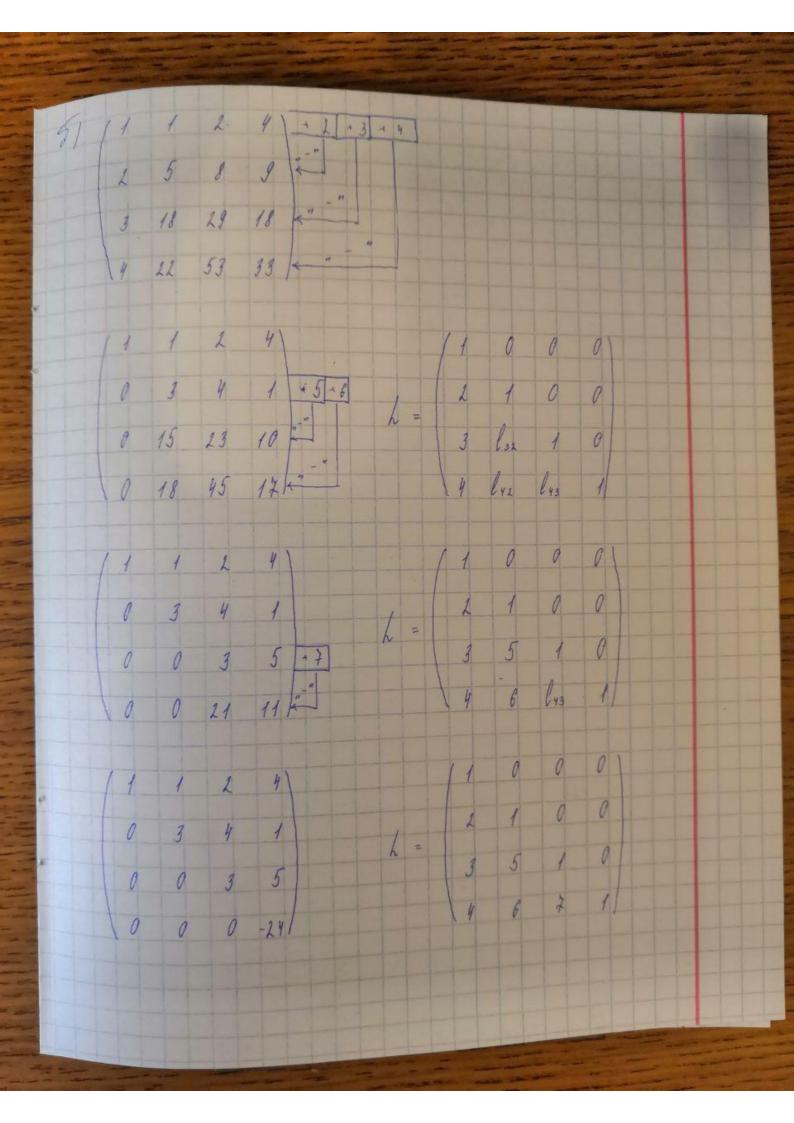
- Zz - Z3 - 5 Z · - Z 13 + 5 xy + 1 + x2 -2 - 1,5 c - 5 c - 2 = 6,5 c = Z2 I + 2 x2 - x3 - 2 x4 = 0 IV - - X2 + X3 + 1 X4 2+ = -6,5 e - 2 + 1,5 c + 2 c = -3 e - 2 londen: x = - 3 e + 2; x = 6, 5 e; x 3 = 1, 5 e + 2; z = e -30-2+6,5c-1,5c+2-2c=0 21-30-21+6,50+1,50-2+0= = -60 - 4 + 6,50 - 1,50 - 2 + 0 = -2 -3c-2+6,5e-3/1,5c-2)+c= = - 3c - 2 + 6,5c - 4,5c + 6 + c = 4

4 Jana enemena unemera gnabremini, jagannaa ромищенной матриций 78961 Наити соотогошение истру парашетрами а в и с, Требрадум натрину А к ступентатой разгие. -6-12 C-7a 000 C+a-28 Erme c + a - 2 b + 0, no cuemena abiaemes mirobueconnou.

1. Гинто шетину уравнений исторого пранера: al (ti - 1 th - 1 3×1 - 4×2 - 7 1-2=1.1-4)-1-2)-3=-4+6=270, идоватимо интема совинетка det = 7-4 = - 4 + 1 4 = 10 detz = 3 7 = 7 - 3 = 4 $z_1 = \frac{dit_1}{dit} = \frac{10}{\lambda} = 5$ $\chi_2 = \frac{det_2}{det} = \frac{4}{2} = 1$

51 (2x+ - x2 + 5x3 = 10 1 x+ + x2 - 3 x3 = -2 221 + 422 1 23 - 1 -3 = 2 | 1 -3 | + 1 | 2 | 1 + 5 | 2 | 1 = + 12) + 11 + 61 + 5 14 - 21 = = 26 + 7 + 10 = 43 7 0 det, = 86 det 2 = - 43 det3 = 43 N2 = -1 23 = 1





3. Tumore money mount ypakusumi morogen & W - populomina 12x1 + x2 . 3x3 . 1 11 2 . + 7 EL . 5 Z 8 - - 6 1 2+ + 1 Zz + 4 X3 - - 5 hy - 6 y - 1 7 y - 1 y - - 6 y = - 13 L191 + \$ 92 - 43 13 - -5 - Py - = 3 y2 = -13 + 3 = 3

A mings menning / x = y IL - 2 II - 3 X3 = 1 -32+ - 16 x3 = -13 1 x3 · 1 3 X3 = 1 -3 x+ - 16 = - 13 -3 x1 = 3 I2 = 1 - 2 x + - 3 x 3 = 1 - 2 (-11 - 3 = = 1 + 2 - 3 = 0 Inhem: x1 = -1; x2 = 0; x3 = 1

4. Tumor memory mountain ypakumin nemopon 11 2, - 45 24 - 45 23 1-95 x+ + 50 x2 - 15 x3 - - 460 1 45 x+ - 15 x2 + 38 x3 - 193 Monglegene pagnamenne na lu = Tan = V81 = 9 $l_{21} = \frac{45}{9} = -5 = l_{11}$ l 31 = l 11 = 19 = 5 $l_{22} = \sqrt{\alpha_{22} - l_{21}} = \sqrt{50 - 25} = 5$ l32 = tex (a32 - l21 l31) = = [-15 - 1-5].5)=1 l33 = 1 a33 - lis - l23 = \square 38 - 25 - 4 = \square 3' = 3 Theyrum nampuyy: L = -5 5 0 , L = 0 5 Tenne menny hy = f 1 3 1 - 531 1-5 y = - 5 y = - 4 6 0 15 g + 2 g + 3 y = 193