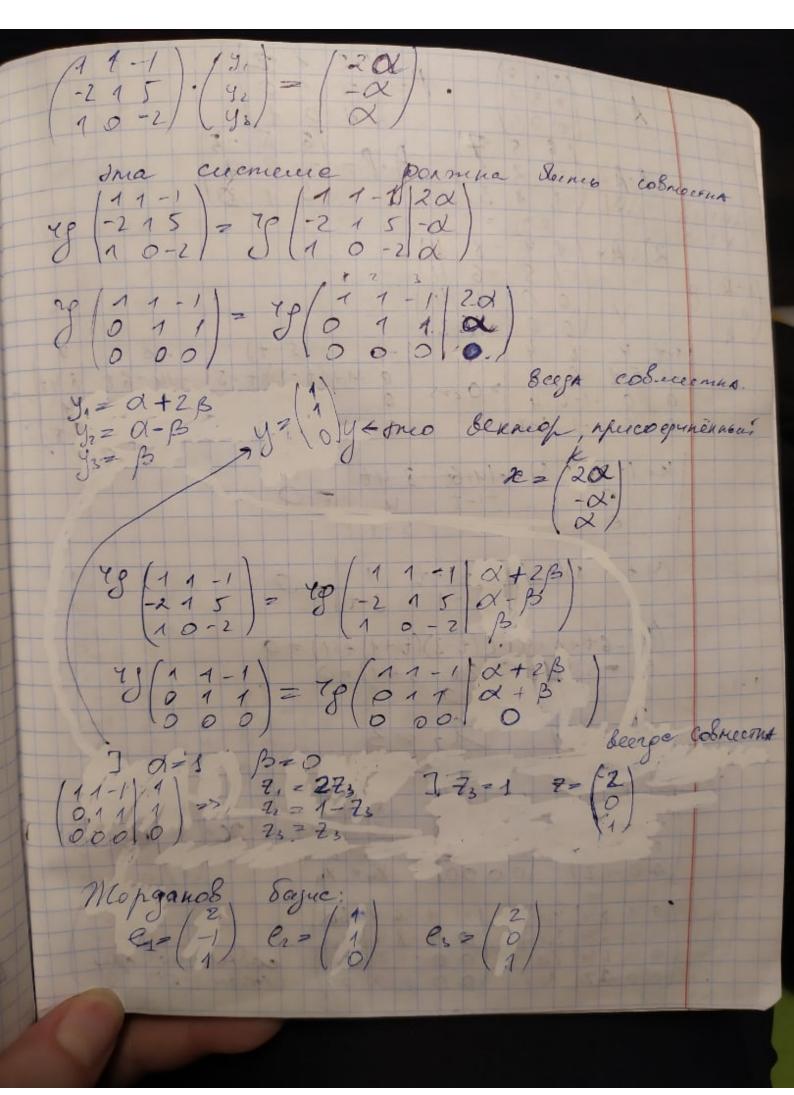
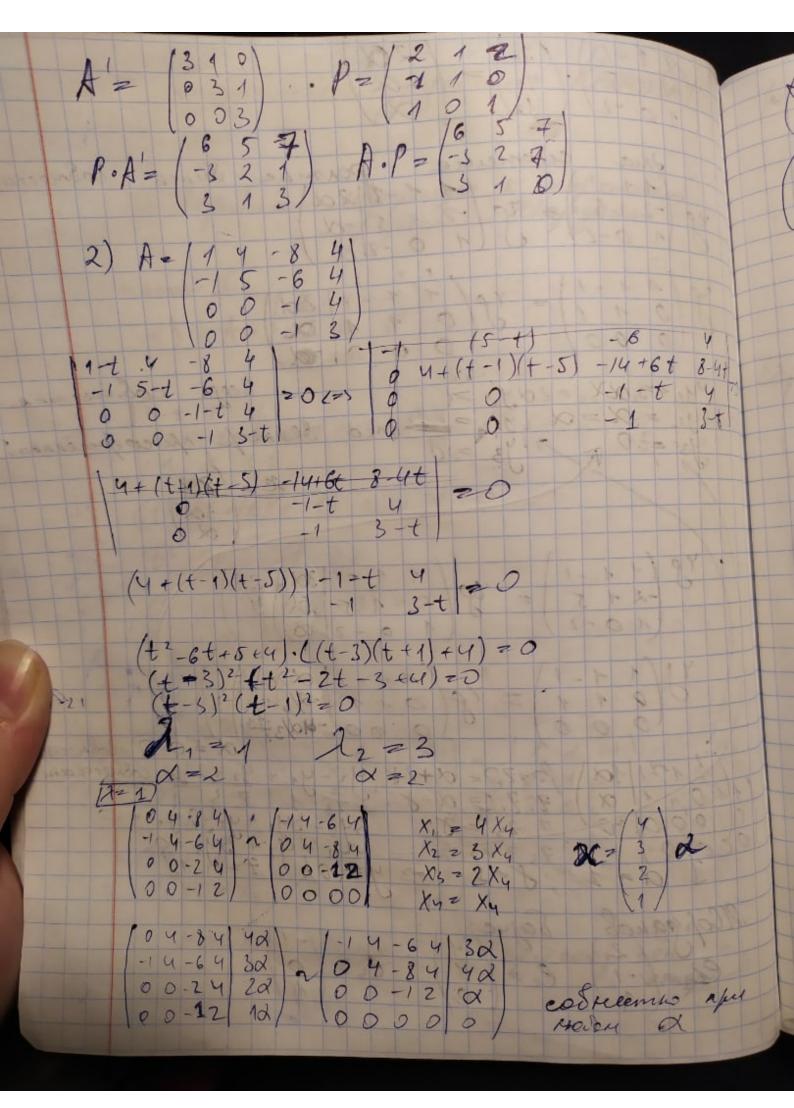
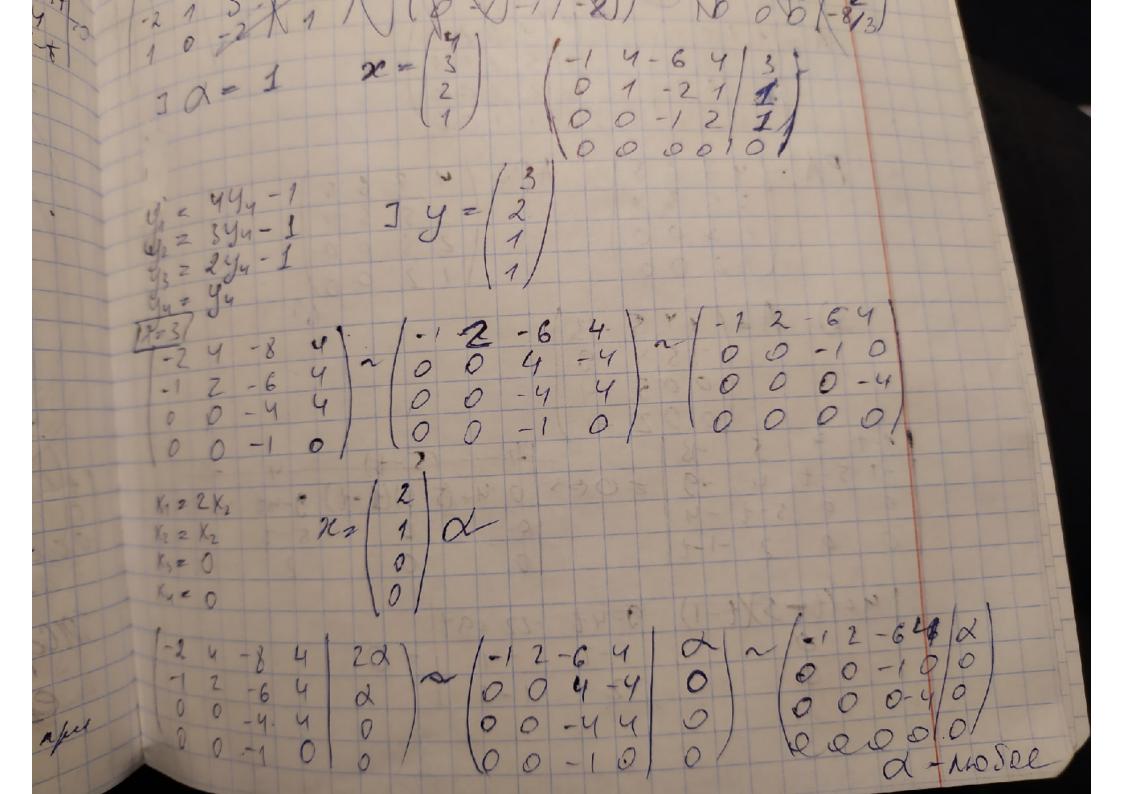
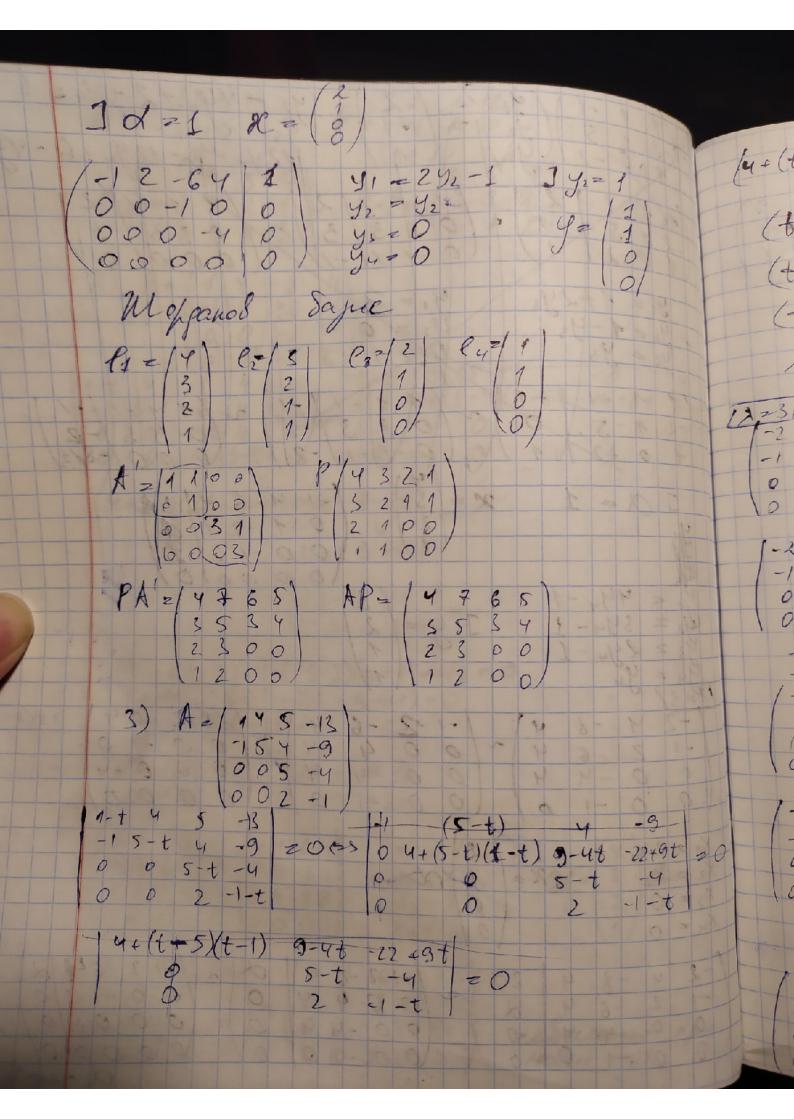
18-4 CROCOB KAPACOSA MINS Thusegouse eranfungur к порестьиой 3ajanue 5 | 4 1 -1 | 5 | 1 | 5 | 4-+ 1 -1 -2 4-+ 5 20 27> (4-+)2(1-+)+5+4-+2-2+=0 1 0 1-+ (+2-8++16/(4-+)-411-3+20 63-9t+27t-27 (t-5)(8°-66+8) =0  $(t-5)^{3}=0$   $\lambda = 3$   $\lambda(\lambda) = 3$ \[ \begin{pmatrix} 1 & 1 & -1 \\ -1 & 1 & 5 \\ 1 & 0 & -1 \\ 1 & 0 & -1 \\ \end{pmatrix} \]
\[ \begin{pmatrix} 1 & 1 & -1 \\ 0 & 3 & 3 \\ 1 & 0 & -1 \\ \end{pmatrix} \]
\[ \begin{pmatrix} 1 & 1 & -1 \\ 0 & 3 & 3 \\ 0 & -1 & -1 \\ \end{pmatrix} \]
\[ \begin{pmatrix} 1 & 1 & -1 \\ 0 & 0 & 0 \\ 0 & 0 \\ \end{pmatrix} \]
\[ \begin{pmatrix} 1 & 1 & -1 \\ 0 & 0 & 0 \\ 0 & 0 \\ 0 \\ \end{pmatrix} \] X1 = 2 X3 x = (2). d deR X1 7-X3 X3 = X8 eugé à me coe punéruoix Beauofe Haishu

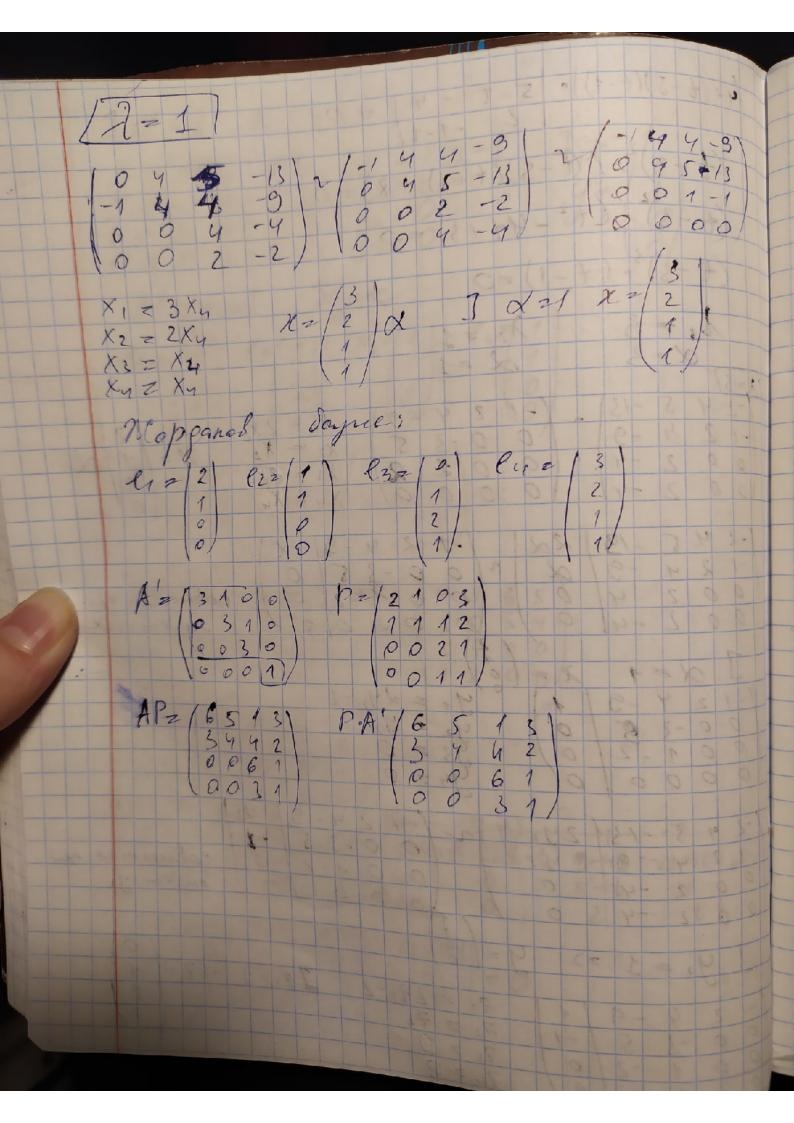








4=(t-5)(t-1)). | 5-t-4| =0 (t-3)2. (t-5)(++1)+8)=0 (+-3) · (+2-4+3) -0 (+-3)3. (+-1)=0 72 = 1 1, = 3 1-2 4 5 -13 ~ (-1 2 4 -9) -1 2 4 -9 0 0 -3 5 0 0 2 -4 0 0 0 2 - 2 0 0 2 -4 0 0 0 0 X1 = 2 X2 7e = 2 X5 20 X420 5-13 22 1.12 4-3 0 4-9 2 000-35 0 2-4 0 001-20 2-4 0 00000 cobreetha hu yoron a 9, 2 24, -1 92 = 32 93 = 0 94 = 0 1-12 4-9 1 00-3 5 0 001-2 0 0000 Jy2212) y2(0)  $\frac{7}{12} = \frac{27}{12} = \frac{3}{12} = \frac{1}{11} = \frac{1}{11}$ 1 -1 0 0 7421



Dourannee Jaganie KAPACEBA M3128 спосов поприссия пориский пориский Ingare & (41-1)

1) A-(-245) 14-t 1 -11 -1 -1 -2 0 c=> (4+t)2(1-t)+5+4-t+2-2t. (+2-8++16)(1-t)+11-3t=0 t2-8t+16-t3+8t2-16t+11-3t=0 t3-9t2+27t-24=0  $t^{3}-9t^{2}+27t-27|t-3|$   $t^{3}-3t^{2}$   $t^{2}-6t+9$ -62 +18t 9t-27 94-27 (t-3)=0 d(2,) = 32, = 3  $B = \begin{pmatrix} 1 & 1 & -1 \\ -2 & 1 & 5 \\ 1 & 0 & -2 \end{pmatrix} \sim \begin{pmatrix} 1 & 1 & -1 \\ 0 & 3 & 3 \\ 0 & -1 & -1 \end{pmatrix} \sim \begin{pmatrix} 1 & 1 & -1 \\ 1 & 1 & -1 \\ 0 & 0 & 0 \end{pmatrix} \qquad \begin{cases} y & x & x \\ 1 & 1 & -1 \\ 0 & 0 & 0 \end{cases}$ Keich = span (1) X1+X2-X3=0 (3) X1= PX3 X2 2 - X3 dim (Kens) = 3 X3 = X3

B2 (-1-3) ~ (-226) ~ (5-1-3) (8B'-1 71-X2-3X5=0 X = X2+3x3 KeyB'= span (2) X2 = X2 X5. = X3 dim(Kork) = 2 Xs=Xs B'= (000) (BB'= 0 dim (KeCB')=3. fekæß fæker.B² f(o) H= (-1) B2f= (-3) & KerB = span(-1). f Monganos Sague ker B3 Kez B' Bf (e, 2 B2 f ez 2 Bf ez 2 f A = (3(00) 031 003) Ker B A-P = (18 3 -1) -3 12 5 3 -5 1

A=114-821 (-15-64) 00-14 00-13) X 1-t 4 - 8 4 -1 5-t - 6 4 20 (=> (5-6) 6 4+(t-1)(t-5)-14+6+ 0 0 -1-t 0 0 -1 -6 4 My By 14+(+-1)(+-5) -14+66 8-46 0 -1-t 4 -0 0 -1 3-t -0  $|4+t^2-6t-5|$ , |-7-t| |4| |=0(+2-66+9) ((+-3)(++1)+4) =0 (t-3)(+2-2t-3+4)=0 (t-3)2(t-1)220  $\lambda_1 = 3$   $\lambda_2 = 1$   $\alpha(\lambda_1) = 2$ P2=1-2 4 -8 4 22 1-2 0 0 -4 4 0 0 0 -1 0 0 4 -4 2 4 -6 Y0 B23
0 2 4 -6 Y0 B23
0 0 4 -4 X, 2 X, 1 0 Ob no Ket By

