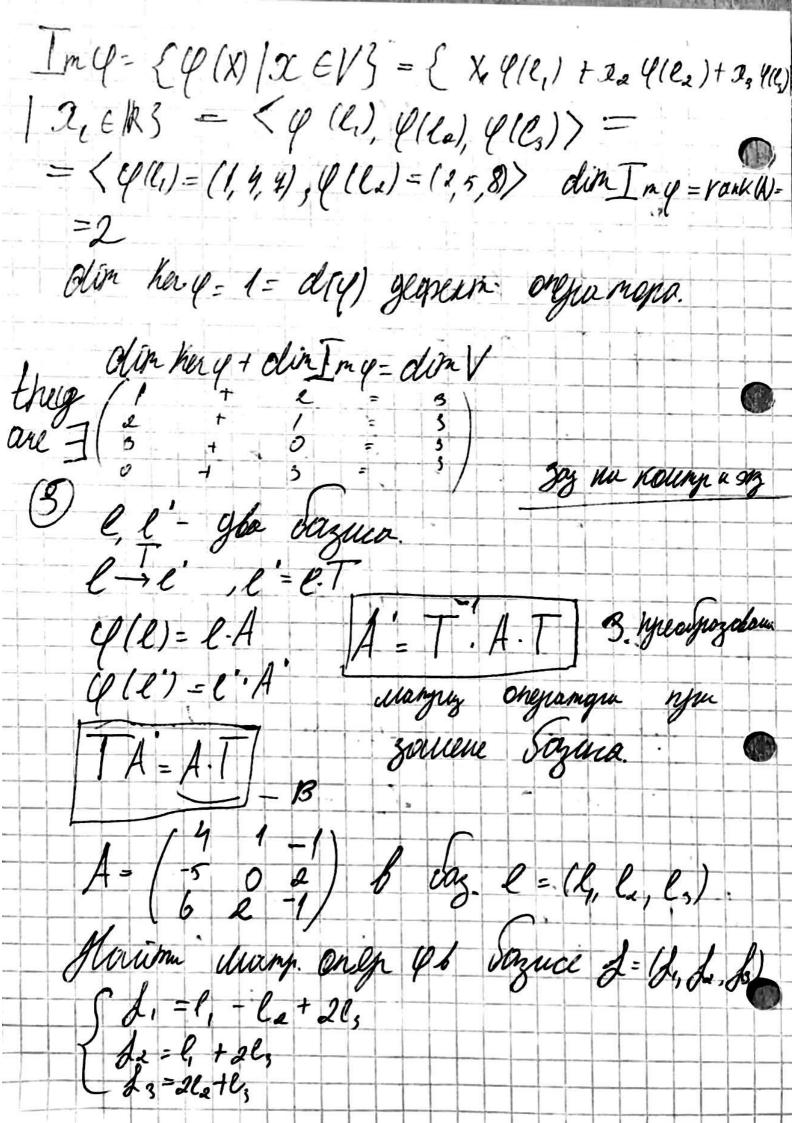
19/2/24 dyakmuka. Lite le ORIBEROR DE= 21,- le +ls La= lz-04,100,11.es / 0 0 $\left(\int_{3}^{3} = \ell_{1} = 1 \cdot \ell_{1} + O_{1} \ell_{2} + O_{2} \ell_{3} \right) = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \end{bmatrix}$ 2) l=(l, l, l) - + l'=(l, l) (l' = t, l, + t, le T = (t, t) (l' = t, l, + t, le (t), t) a) To = (t, tee) composer novemence C) Te (tree tri)

(1) Mu onep & 6 cas e=12, e, es $A = \begin{pmatrix} 1 & 1 & 2 \\ -1 & 0 & 1 \end{pmatrix}$ Naime ognos beknyn X = -l, + 2l, 9-AX = / 1 - 1 2 / - 1) = copas (2 1 - 1 / 2 / 2) 2 4: V-V; V=1R3. e=(2, e, es) 2= 2, 1, + X2 12+ 23 18 U(X, X2, X3) = (X, +2X2+ 5X3,4X, +5X2+6X3, 4x, +8x+9x,) 1) 9/1, = 9 (1,0,0) = (1,4,4) q(la) = q(0,1,0) = (2,5,8) 4(13) = 4(0,0,1)= (3,6,9) A = (4 5 6) - U. Organgu q 6 dacuce C.

2)
$$Ker \varphi = \{ 2 \in V | \varphi(x) = 0 \}$$

$$A = 0$$

$$A$$



$$T = \begin{pmatrix} 1 & 1 & 0 \\ 2 & 2 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 1 & 1 & 1 \\ 2 & 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 3 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \\ 2 & 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 4 & 1 & -1 \\ -5 & 0 & 2 \\ 2 & -1 & 0 & 2 \\ 2 & 2 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 2 \\ 5 & 1 & -5 & 1 \\ 6 & 2 & 2 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 2 & 1 \\ 2 & 1 & 2 \\ 2 & 1 & 2 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 2 \\ 0 & 1 & 2 & 1 \\ 0 & 1 & 2 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 2 \\ 0 & 1 & 2 & 1 \\ 0 & 1 & 2 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 1 & 0 & 1 & 2 \\ 2 & 2 & 1 & 2 & 1 \\ 2 & 2 & 1 & 2 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 2 \\ 0 & 1 & 2 & 1 \\ 0 & 1 & 2 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 2 \\ 0 & 1 & 2 & 1 \\ 0 & 1 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 1 \\ 0 & 1 & 1 & 2 \\ 0 & 1 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 1 \\ 0 & 1 & 1 & 2 \\ 0 & 1 & 1 & 2 \\ 0 & 1 & 1 & 2 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 & 1 \\ 0 & 1 & 1 & 2 \\ 0 & 1 & 2 & 1$$

