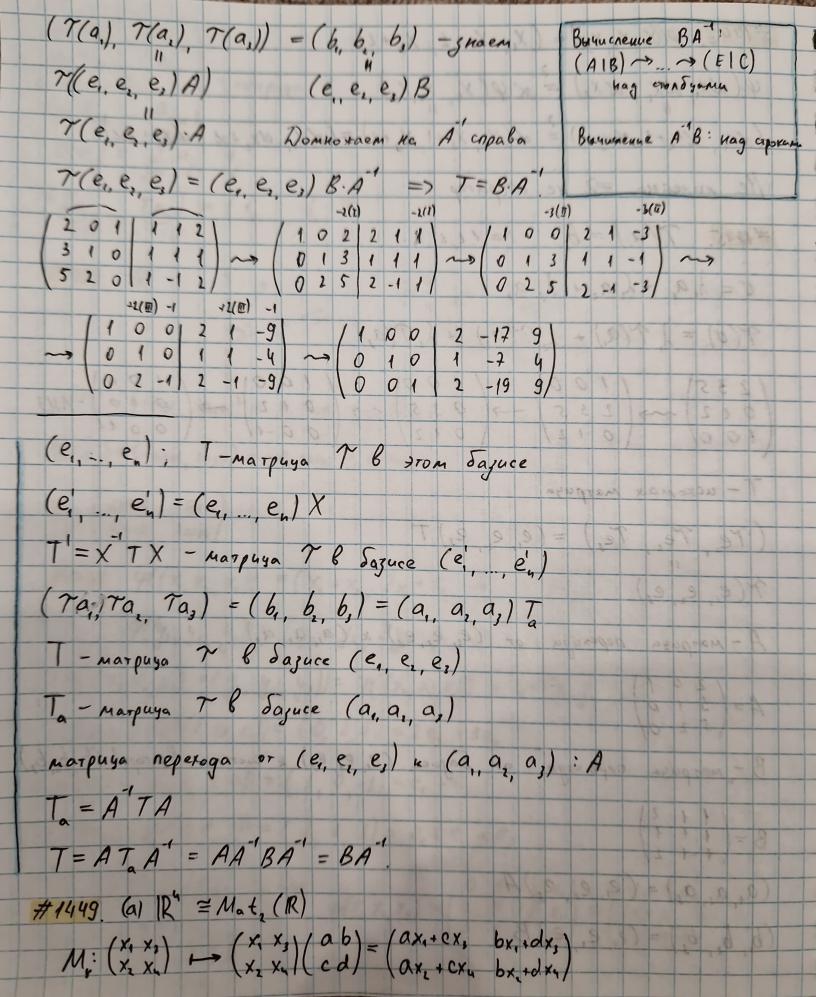
Cemunap 28, 23.04.24 - Benigueb

$$U, V \text{ rag } f$$
 $T: U \to V$
 $T: (au, +bu) = a \cdot \tau(u_i) + b\tau(u_i)$
 $V: (f_i, f_m)$

```
#1442. 4((x, x, x3)) = (x, x, +1, x, +2)
\varphi(\alpha x, \alpha x, \alpha x_s) = \alpha \varphi(x, x_s, x_s)
(Xx, Xx+1, Xx+2) = X(X, X, +1, X, +2) = (dx, dx, +d, dx, +2d)
Не линей но.
#1445. T(a;) = b; i=1,2,3
 v = 1, a, + 1, a, + 1, a,
7(0) = 1, 7(a,) + 1, 7(a,) + 1, 7(a,)
Т - искоман матрина
(re, re, re,) = (e, e, e,) T
A-Matpuya neperoga or (e, e, e, e) k (a, a, a,)
A = \begin{pmatrix} 2 & 0 & 1 \\ 3 & 1 & 0 \\ 5 & 2 & 0 \end{pmatrix}
В - матриум перехода от базаса (e, e, e, e) и системе векторов (b, b, b,)
B = (111)
(a_1, a_2, a_3) = (e_1, e_2, e_3) A
(b, b, b,) = (e, e, e, B)
```



$$\begin{pmatrix}
1 & 0 \\
0 & 0
\end{pmatrix} = E' & \mapsto \begin{pmatrix} a & b \\
0 & 0
\end{pmatrix} = a & E' & + b & E' \\
E' & \mapsto \begin{pmatrix} 0 & 0 \\
a & b
\end{pmatrix} = a & E' & + b & E' \\
A & 0 & C & 0 & E' \\
B & 0 & 0 & 0 & E' \\
0 & b & 0 & d & E' \\
0 & b & 0 & d & E' \\
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