Algebra linear - Avoliação 1
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1 3=9 x=1
T: R3 + R3 - N(t) = [(1,0,2)]
B={(1,0,2);(1,0,0);(0,1,0)3 CR3
B'={(1,0,0);(0,1,0);(0,0,1)]CR3
$\int T(1,0,2) = (0,0,0)$ $T(1,0,0) = (1,0,0)$ $T(0,1,0) = (0,1,0)$
(z,y,z)=a(1,0,2)+b(1,0,0)+c(0,1,0)
(x,y,z=(a+b, a+c,a)
$ \begin{cases} a+b=x & b=x-2 \\ a+c=y-x & a=z \end{cases} $
(x,y,z) = 3(1,0,2) + (x-y)(1,0,0) + (y-x)(0,1,0)
T(x,y,z)=z(0,0,0)+(x-z)(1,0,0)+(y-x)(0,1,0)
T:123-223
$T(x,y,z) = (x-z,y-x,0) \int N(T) = [(1,0,2)]$
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$$T: R^{4} \rightarrow R^{3}$$

$$Tm(T) = E(1,0,2); (1,-1,1) I$$

$$T) bane (b) paxa. Im(T) = R^{4}$$

$$P = \{(1,0,0,0), (0,1,0,0), (0,0,1,0), (0,0,0,1)\}$$

$$\{T(1,0,0,0) = (1,0,2), (0,0,1,0), (0,0,0,1)\}$$

$$\{T(0,0,1,0) = (0,0,0), (0,0,0), (0,0,0,1), (0,0$$

$$T(2+x)=2$$

 $T(23+x^2)=x^2+2x$

$$\frac{1}{2} \sqrt{x^3 + 2x^2 + 2x + 2} = 0$$