



K	10 E	IR"		, 0	
	· M				
m	A		B		1
			<u> </u>		+
		1.			
					. n
	<u> </u>	-			+

=) Substituce. je ctuercout

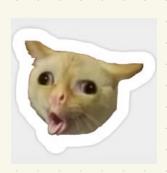
 $A \times {}^{+}BD^{-1}(b-C \times) = \alpha$   $(A + BD^{-1}C) \times = \alpha - BD^{-1}b$ => x = (A-BD-1C)-1(a-BD-1b)

 $Ax \neq By = a = By = a - AX$   $y = D^{-1}(b - Cx)$ musia, prictore

100 spowwar NOTES Symetricha  $(AB)^T = B^T A^T$ thij aij =aji  $(AB)^{-1} = 13^{-1}A^{-1}$ ABB-1A-1 = I Antisymetriclea aij = aj; = - a;

Vlastnosti

· AT A = ) · Ctuercova · Symetricua matice



3 A & R Plat? Sym.
A=B+C B=BT C= ·CT B= 1/2 (A+AT) > 2e vetahu roynetrie  $(AB)^{\mathsf{T}} = B^{\mathsf{T}} A^{\mathsf{T}}$ C= 1/2 (A-AT) > Ze vztahu antisym dinearné prostory 6 1R 3 Linearu (Lombinace =) LR Lk 1 velitory Lle-> 1122 // ×3// / // X Afina podprostory Ak -> sen bod -> afini hombinace ·) ×1 ····· ×n E IR1 ×1 an ..... an ← 172 a, ell, azell · Obdobas & reht. udelaji/ ravinus a1+a2=1 AK=> Daí primhu

$$\begin{cases} 4 & \{x \in \mathbb{R}^n \mid Ax = 0\} \\ \{x \in \mathbb{R}^n \mid Ax = b\} \text{ af } p. \end{cases}$$

$$\begin{cases} A = a^T \\ a_1x \in \mathbb{R}^2 \end{cases}$$

