HCFn Henogup-60 ANHCAMENTAANA -arm xn=0 cuere era of pemerus 49 49 negup-6000 or H= {\p_1 y^{(1)}} + - + \p_5 y^{(5)} / \p_1, ..., \p_5 \in Fy p-e 49 xomore HHE cucrely(*) Torale $\dim H = n - r(A)$ n-Spor Ha Heusbeetture

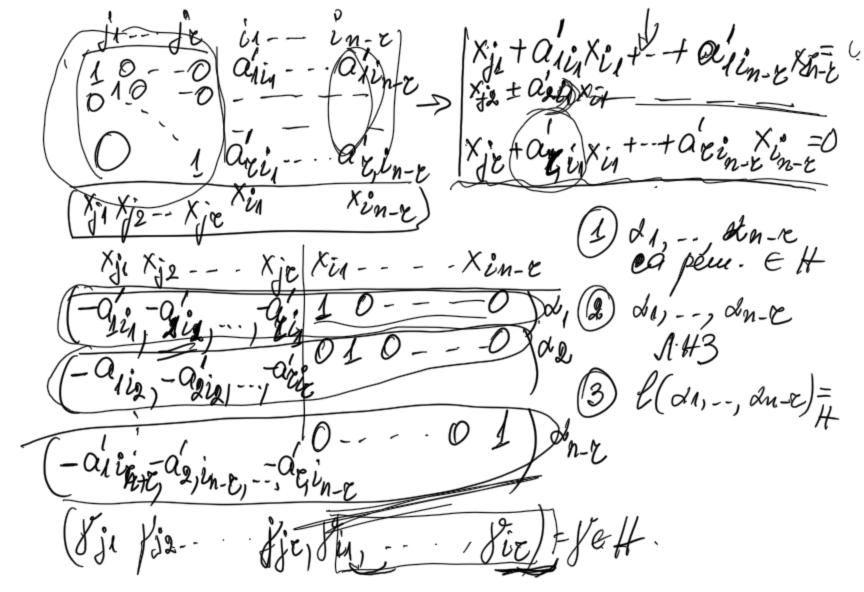
A-Inaspuzara 49 cucremara (*)

D-60 Hera A - Marp. Ha (*) r=r(A) part Hs A

Hénea nopleure & pegs ca 1 HB

A→ (a₁₁ -- · · a₁n) 3 & n H3 cronda 1 H3

c Homepa ji, -, je (0. -- 0) {in-e/= 31,-,n3 \ 3/1,-,fes $A_{0} = \begin{pmatrix} a_{1}j_{1} & a_{1}j_{2} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{2} & a_{2}j_{3} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{2} & a_{2}j_{3} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} & a_{2}j_{4} \end{pmatrix} + \begin{pmatrix} a_{1}j_{3} & a_{2}j_{4} \\ -a_{2}j_{3} &$



$$f - f_{ij} d_1 - f_{ij} d_2 - - - - - f_{in-\epsilon} d_{n-\epsilon} = (\epsilon H)$$

$$= (+, +, - - +, 0) = peuceurae$$

$$= (i) + (- - +, 0) = peuceurae$$

$$\frac{d_{1}, \dots, d_{n-\epsilon} ca}{\ell(d_{1}, \dots, d_{n-\epsilon}) = H} = \frac{1}{2} d_{1}, \dots, d_{n-\epsilon} \frac{d_{1}}{d_{1}} d_{1} + \frac{1}{2} d_{1} + \frac{1}{$$

X, X2 / X3 / X4 X5 X6 / X7 Базиени X1, X3, X4 X4 л.Е uerru X1, X3, X4 X4 24=3/2 1 0 0, 1 C605. X2 X5X6 2x1-3x2+2x3-5x4+7x5+5x6-Xx=0

Hecobuceruses r(A) + r(A)Obucernea v(A) = v(A)- Определена $(e(A) = e(\overline{A}) = n)$ Hebricepeners (E(A) = E(A) < n) na, (n-z) of CP 49 Xours $a_{11}x_1+--+a_{11}x_2=0$ (B1, -, Bn) NUH-BO STERRY am Bn= of Sno XOU. CLEETEUR E MOS NOU. CLEETEUR E MOS -> E MUH. Northol,

T/ 3a bosno nesup-bo ll 49 FM convertes superior su ronoreura contrena, xos vo una pequence u. 1) Hera $u = \{0\} \longrightarrow \longrightarrow$ 2) Hera $u = \{0\} \longrightarrow \emptyset$ $b_i = \{b_{il}, b_{i2}, \dots, b_{in}\}$ Herea mpousborro y-e or Tepeenson cuereus

aixi+-+anxn=0 (ai He ce 3H25) B1, --, bu p-e) bipeur. \$ a1611+--+ an 61n=0 XOUOTEHUS CLEETERU c Heusbeer Hu 624 - au ben=0 B=(B11 -- - Gin) 6x pe -) a1 6x1+ - + ay 6x=0 (bx1 - - - 6xn) Oucremente (x (B) = K

V sa J. - perneme (x (B) = K

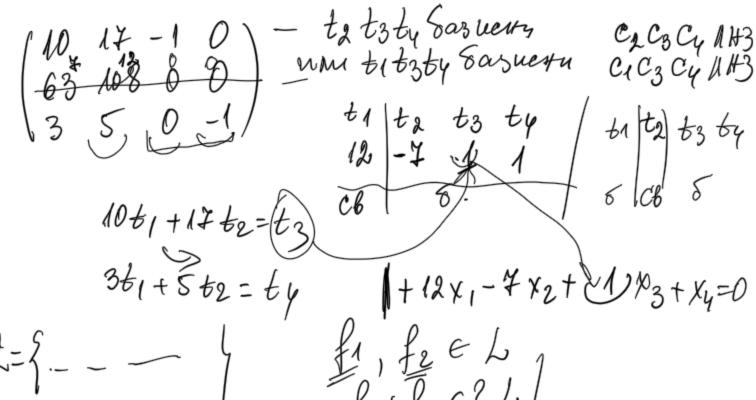
Jim L = N - r (B) = n-K)

3amero perobere ca NH3

(n-K) &CP (D)

** d11 ×1+--fd1n×n=0 d'= (d'11, ..., d'1n) $d^{(n-\kappa)} = (d_{n-\kappa,1}, \dots, d_{n-\kappa,n})$ dn-xx,+···+ dnax,n×n=0 C(A)=n-x perolete (*) a, bu+--+anbin=0 JE1, --, N-K dimW= N-WA)= K a, 6x1+--+an 6xn=0 защото 20 е. рего. 49 y-e(i)от dj. bis + -- - + djnbin = Bi e pem. H9 ypab. (j) ## 0 (XX) => j=1,--, n-x => bi e peu. Ha (**) => bi,--, br ca p-8 H9 (**) dim W=x, dim U= K=) U=W => f(b) = le e

30g U= l(a1, a2, a3) $a_1 = (1, 2, -1, 3)$ ag=(4, 13, 5,2) 1 t1x, + t2 x2+t3 x3 +t4x4=0



 $-\frac{1}{f_1, f_2 \in \lambda}$ $f_1 + f_2 \in \lambda$ $\lambda f_1 \in \lambda$