

(a) So were col = C.L. deble alter -> 1Al = 0

(4) Si una vigo/colonna de A& HIZ(n) à nulle = lAl = 0

of (so wan de à futte eau, alle DEV'ESSEUR LIN. DIP!)

lbl = |b'l

43"1

= d2 dcf (A2/A2...) + a3 def(...

lin. Sip.!

(6) So were col = C.L. Lobbe alter -> |A| = 0 $0 \le \le \alpha \sum_{n=1}^{\infty} A^{n} |A^{2} ... > |A| = 0$ $\Rightarrow qwindo anche untiple$ $\int_{0}^{\infty} dt \left(\alpha_{2} A^{2} + \alpha_{3} A^{3} ... + \alpha_{n} A^{n} |A^{2}| A^{2}| ... |A^{n}| \right)$ $\int_{0}^{\infty} dt \left(\alpha_{2} A^{2} |A^{2} ... \right) + \int_{0}^{\infty} dt \left(\alpha_{3} A^{2} |A^{2} ... \right) + ... + \left(\kappa_{n} A^{n} |A^{2} ... \right)$

so col. bu. dip => det = 0

So det = 0 => col. |:u. iudip

Le usave queste invece du faux la prova in casenta!!

(alucus che uom == 0, uon engrous accesa coció so det =0...) $A = \begin{pmatrix} 1 & 0 & 2 \\ 2 & -1 & 1 \\ 1 & 3 & 4 \end{pmatrix} \Rightarrow 7 \neq 0 \Rightarrow \begin{cases} \binom{1}{2} \binom{0}{3} \binom{2}{4} \end{cases} \in lin. iudite.'$ Micute più sistema!

The sistems of the s