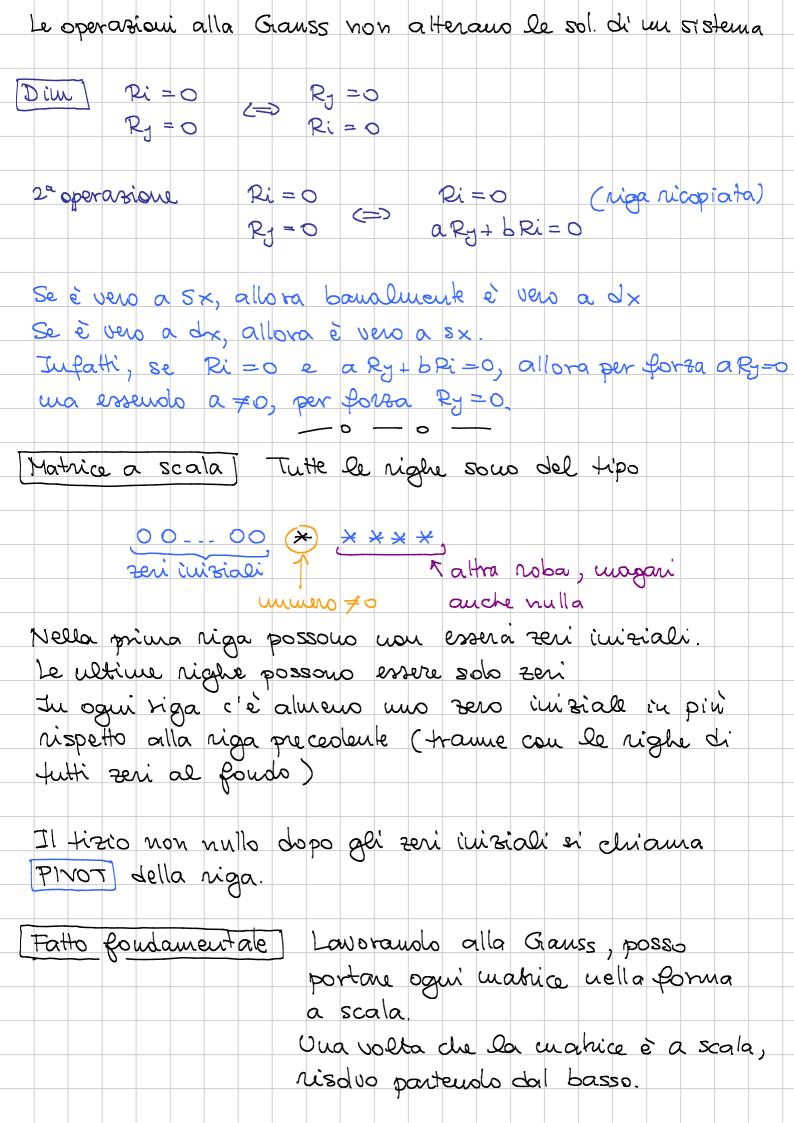
ALGEBRA	LINEARE	- LEZI	ONE 05
Titolo nota			02/10/2018
Algoritus di GA	1155 ( - 6405		
Algoritono di Git	1035) ( 0 GAUS	S - JORDAN)	
Matrice associata	ad un sistema		
Esempio (x+2	24 - Z = 5	12-15	
	y = 6	2 1 0 6	
	1 + 7 = 1	1 -1 1 1	
( × -			termini aoti
		Coopp. delle	remun dori
		romabil	
Invece di Davoran	e sul sistema, Re	wow direttamen	te sulla
tabella di numeri			
	ianss " ruol dire	Page 2 Lini di	
LOOGICAR CAILLA C	nouss nome or a	7010 2 TIPI CA (	32270081900
· Scambio di 2	2 righe		
· Sostituire una	riga Ry cou	aRy+bRi	
Di questa seco	ouda operazione	si sous due ver	sioui
	ultraontodossa:		
	erunissi va		
2 00 08/2000 0	54 WW 231 VW , (	Sovicu Cu 7 C	
Objettivo: porta	re la mahice in	e forma "a sca	xla"
1 2 -1 5 ) 2 1 0 6 ~~ 1 -1 1 1 /	1 2 -1 5	\( \begin{pmatrix} 1 & 2 & -1 & 3 \\ 0 & -3 & 2 & -1 \\ 0 & 0 & 0 & 0 \\ \end{pmatrix}	5
2106	0 -3 2 -4	~ 2 -3 2 -	- (
	0 3 0 1		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
x + y - 2 = 5		. Oftengo +3y	= +4+22
-39 + 22 = -4	$y = \frac{4}{2} + \frac{2}{3}$	2 = 4 + 2 +	
			10:20:20
	palla 1 equ	i. trovo x ia fi	any and a c



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											y –	2	(3		3 3	) –	2			

$$x = -y - \frac{1}{6} + \frac{5}{6} w - \frac{1}{2} w = -y - \frac{1}{6} + \frac{1}{8} w$$

Posso asseguane Diberamente  $y = t e w = s e \text{ oftengo}$ 

$$(x, y, z, w) = (-\frac{1}{6} - t + \frac{1}{6} s, t), \frac{1}{3} - \frac{5}{3} s, s)$$

$$= (-\frac{1}{6}, 0, \frac{1}{3}, 0) + t (-1, 1, 0, 0) + s (\frac{1}{3}, 0, -\frac{5}{3}, 1)$$

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