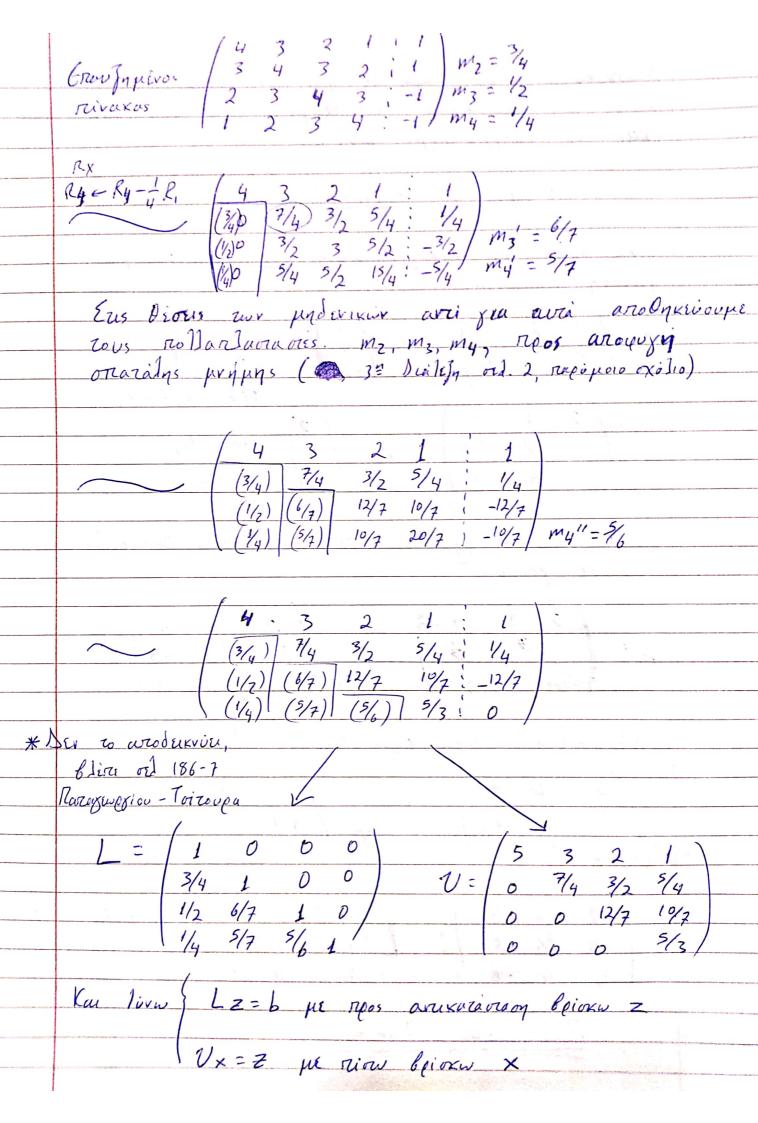
Rapaoxin 18/3/22 5 = Diality: Kolicos 3"
Enduon Cappicar Evonparur
V Gauss Climination Method (πάντω με μερική οδίχηση) (Δε θα κάνουμε Gauss (Jordan)
(Στο διαχώνισμα να χινει ακριβών η μεθοδος, ακόμα και βραίνει αλλιώς πιο γρήγερα/εδκολα)
Midodol Rapayoviorionons (LU Method)
(1) $A_{X=b} \Rightarrow (LU) \cdot x = b \Rightarrow L(U_{X}) = b \Rightarrow V_{X=Z}(2)$ Low band Uper matrix
Low band Uper matix
$= \begin{bmatrix} \mathcal{E}_{K Vaiw} & WTo & zo & 3 \end{bmatrix} \begin{bmatrix} Z_1 \\ Z_2 \\ Z_n \end{bmatrix} \begin{bmatrix} b_1 \\ b_2 \\ zn \end{bmatrix}$
προς τα εμπρός αντικατάσταση
Eurexisor ou (2):
Director to orion per $A = \begin{bmatrix} 6 & 2 & 1 \\ 2 & 4 & 1 \\ 1 & 1 & 4 \end{bmatrix}$
Na Judii pre en pidodo rapazonoroinons.
$ \frac{\partial \hat{s} _{w} v_{\alpha} g_{\alpha} \hat{s}_{w} v_{\alpha} A \omega_{s}}{2 4 1 _{z} _{z_{1}} _{z_{2}} 0 _{z_{1}} _{z_{2}} _{z_{3}}} $ $ \frac{2 4 1 _{z} _{z_{1}} _{z_{2}} 0 _{z_{2}} v_{z_{3}}}{1 1 1 4 _{z_{3}} _{z_{3}} _{z_{3}} _{z_{3}}} $ $ \frac{1}{\sqrt{1 1 4 _{z_{3}} _{z_{3}} _{z_{3}} _{z_{3}} _{z_{3}}} $
LV

```
→ luve 6. (1)
 Gran 2 (2)
  hors 12 (3)
9 εξισώσεις και 12 άχνωσεοι, σεα υπάξχει πεσόδημα.
Το ανιμετωπίτουμε με διάφορες μεθόδους:
  12) Midodos Doolittle, /lii = 1]
  2=) Milodos Gout, Vii=1
   32) McDodos Cholesti, [lii=Vii]
  Edw axedou doine un 1=, [lu=l2=l33=1]
 (1) \Rightarrow v_{11} = 6 \quad (10)
(2) \Rightarrow v_{12} = 2 (11)
(30) = v_{13} = 1 (12)
(9) bla, V33 = 37 (18)
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1	Anoduxviria ou not or pigalous, aparois rivaxes
ε	και να εφαρμόσουμε LU.
	Ti giverai pe un odygnon?
	Na lubri pe ragazoviorioinon Dochittle kau pe
-	nebira ogista
	$A = \begin{pmatrix} 1 & 2 & -3 \\ 2 & 1 & 4 \end{pmatrix}, b = \begin{pmatrix} 1 \\ 2 \\ -1 & 4 \end{pmatrix}, b = \begin{pmatrix} 1 \\ 2 \\ -2 \end{pmatrix}, 2 > 1 $
	$\left(-2\right)$ \left
	$A' = \begin{pmatrix} 2 & 1 & 4 \\ 1 & 2 & -3 \end{pmatrix}, n_p = \begin{pmatrix} 1 \\ 1 \end{pmatrix} m_2 = \frac{1}{2}$ $-1 & 4 & 1 \end{pmatrix}, m_3 = -\frac{1}{2}$
	κάθε γραμμή.
	2 1 4
	A"= 1/2 3/2 -5
	19/2/>13/2/ Aca R2 ← R3
	/2 L 4 /2
m ₃ '=	$\frac{1}{1} \begin{pmatrix} -\frac{1}{2} & \frac{9}{2} & 3 \\ +\frac{1}{2} & \frac{3}{2} & -5 \end{pmatrix}$ $n_p = \begin{pmatrix} 3 \\ 1 \end{pmatrix}$
	3 + 2 /2 //
	12 2 4 1 0 0 1 2 1 4
	$\begin{pmatrix} -\frac{1}{2} & \frac{9}{2} & \frac{3}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{9}{2} & \frac{3}{2} & \frac{1}{2} & \frac$
	Raion our Hornon

$$\begin{array}{c} \begin{array}{c} P = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 1 \\ 0 & 1 & 0 \\ \end{array} \end{array}, \begin{array}{c} \begin{array}{c} 1 & 2 & 3 \\ 4 & 5 & 6 \\ \end{array} \end{array} = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ \end{array} \end{array}$$

$$\begin{array}{c} P \cdot \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ \end{array} \end{array} = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ \end{array}$$

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$$\begin{array}{c} P \cdot$$

Onote Intrino LU, Errovices y odnyng.