PLONTIONE & GAULS (GUMINA) (ON1) AX= b R; C Ri CRI XXRT RiGLAID) MATRIC CONVIEND (A:b) A SCACINI RIDOYA A x = 6 (X3 + x4 = 9 $X = \begin{pmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \end{pmatrix}$ > 2×1 +2×2 + ×3 - 5×4 = 5 3×1 +3×2 - ×3 = 0 \ x1 +x2-x4=1 0 0 1 1 7 PANTIAMO BALLA CNIMA 2 2 1 -5 S 3 3 -1 0 0 1 1 0 -1 1 COLONA, AL POSTO BELLO Q 6098/AMO SLAMBLAGE CON on Altro Numbro

SCAMBIAMO CA PAMA CON LA QUANTA MOA ONA PEN SEMPILELIANE / VARI > LARBO 16 PROF HA SALTATO DEI PACHACII 0 -1:1 0 0 1 -3;3 13 ← 13+12 10 ← 19-12 7 0 -1 .7 0 -3;3

$$\begin{pmatrix}
7 & 7 & 0 & -7 & .7 \\
0 & 0 & 1 & .3 & .3 \\
0 & 0 & 0 & 4 & .-2 \\
0 & 0 & 0 & 0 & 0
\end{pmatrix}$$

$$= \begin{pmatrix}
x_1 + x_2 - x_4 = 1 & ... \times x_1 = 1 - x_2 + x_4 = \frac{7}{2} & ... \times 2 \\
x_3 - 3x_4 = 3 & ... \times x_3 = 3 + 3x_4 = 3 - \frac{3}{2} = \frac{3}{2}$$

$$4x_4 = ... - 2 & ... \times x_4 = ... \times$$

$$\begin{cases} x_1 + 2x_2 = 1 & \text{if } 2 & 1 \\ 2x_1 + 4x_2 = 3 & \text{if } 2 & 4 & 3 \end{cases} \xrightarrow{p_2 \leftarrow n_2 - 2p_1} \begin{pmatrix} 1 & 2 & 1 \\ 2 & 4 & 3 \end{pmatrix} \xrightarrow{p_2 \leftarrow n_2 - 2p_1} \begin{pmatrix} 1 & 2 & 1 \\ 0 & 0 & 1 \end{pmatrix} = \begin{cases} x_1 + 2x_2 = 1 \\ 0 = 1 \end{cases}$$

TEONEMA

UN SISTEMA AMMETTE SOLUZIONI SE YUTTI (P(VOT (G' COMPATIBILE)

Sono In A

OSY EMATIONA

$$\begin{cases} x_1 + x_2 - 3x_3 = 0 \\ x_1 + 3x_4 = 0 \end{cases}$$

$$\begin{pmatrix} 1 & 1 & -3 & 0 \\ 1 & 0 & 0 & 3 \end{pmatrix}$$
 $\begin{pmatrix} 1 & 2 & 2 & 2 & 2 & 2 & 2 & 2 \\ 0 & 0 & 0 & 3 & 2 & 2 & 2 & 2 \end{pmatrix}$

$$74 = -\frac{1}{2} + \frac{1}{3} \times \frac{1}{3}$$

$$\begin{pmatrix}
1 & -1 & -1 & 0 \\
0 & 1 & 7 & 2 \\
0 & 0 & -4 & -12 \\
0 & 0 & -8 & -24
\end{pmatrix}$$

$$\begin{pmatrix}
1 & -1 & -1 & 0 \\
0 & 1 & 7 & 2 \\
0 & 0 & -4 & -12 \\
0 & 0 & 0 & 0
\end{pmatrix}$$