

•
$$w_{2}^{(n)} := a_{21}^{(n)} / a_{11}^{(n)} = 2 / 1 = 2$$

• $w_{3}^{(n)} := a_{31}^{(n)} / a_{11}^{(n)} = 3 / 1 = 3$

•
$$w_3^m := a_{31}^m / a_{11}^m = 3/1 = 3$$

$$(E_2 - w_2^{(1)} \pm 1) \rightarrow (E_2)$$

$$(\pm_3 - w_3^{(1)} \pm 1) \rightarrow (E_3)$$

$$A^{(2)} = \begin{bmatrix} 1 & 2 & 0 & 1 & 0 & 0 \\ 0 & -3 & -1 & -2 & 1 & 0 \\ 0 & -5 & 1 & -3 & 0 & 1 \end{bmatrix}$$

$$q_{22}^{(2)} = -3 \neq 0 \Rightarrow MEGFP$$
 $i = \frac{3}{3}$: $w_{i}^{(2)} := q_{i2}^{(2)} / q_{22}^{(2)}$
 $w_{3}^{(2)} := q_{32}^{(2)} / q_{22}^{(2)} = -5/(-3) = 5/3$

$$(E_3 - W_3^2 E_2) \rightarrow (E_3) \Rightarrow$$

· Sistemul 1 dé coloane 1 a lui A:

$$\int x_{11} + 2x_{21} = 1$$

$$-3x_{21} - x_{31} = -2$$

$$\frac{8}{3}x_{31} = \frac{1}{3}$$

$$|x_3| = \frac{1}{3} \frac{3}{8} = \frac{1}{8}$$

$$\left[\frac{3}{3} = -\frac{1}{3}(-2+31) = -\frac{1}{3}(-2+\frac{1}{8})\right]$$

$$=\frac{1}{3}\frac{-15}{8}=\frac{5}{8}$$

$$|x| = 1 - 2x_{21} = 1 - 2\frac{5}{8} = 1 - \frac{5}{4} = \frac{1}{4}$$

·Sistemul 2 dà adoana 2 a lui A!

$$\begin{cases} x_{12} + 2x_{22} & = 0 \\ -3x_{22} - x_{32} & = 1 \\ 8 & x_{32} = \frac{5}{3} \end{cases}$$

$$\frac{3}{32} = \frac{5}{3} = \frac{3}{3}$$

$$|x_{22} = -\frac{1}{3}(1+x_{32}) = -\frac{1}{3}(-\frac{8}{3}) = -\frac{1}{8}$$

$$x^{15} = -5x^{25} = -5x^{21} = \frac{21}{21}$$

· Sistemul 3 dé colonne 3 alui A1:

$$\begin{cases} x_{13} + 2x_{23} = 0 \\ -3x_{23} - x_{33} = 0 \\ 8x_{33} = 1 \end{cases}$$