

Απλή Απαλοιφή Gauss 3×3 φύλλο εργασίας

$$[A | b] = \left[\begin{array}{ccc|c} \bigcirc & & & \\ & & & \\ & & & \end{array} \right] \begin{array}{l} E_2 \leftarrow E_2 - E_1 \\ E_3 \leftarrow E_3 - E_1 \end{array} \text{ (Βήμα 1)}$$

$$[A^{(1)} | b^{(1)}] = \left[\begin{array}{ccc|c} \bigcirc & & & \\ \mathbf{0} & \bigcirc & & \\ \mathbf{0} & & & \end{array} \right] E_3 \leftarrow E_3 - E_2 \text{ (Βήμα 2)}$$

$$[A^{(2)} | b^{(2)}] = \left[\begin{array}{ccc|c} \bigcirc & & & \\ \mathbf{0} & \bigcirc & & \\ \mathbf{0} & \mathbf{0} & \bigcirc & \end{array} \right] = [U | c]$$

Απλή Απαλοιφή Gauss 4×4 φύλλο εργασίας

$$[A | b] = \left[\begin{array}{cccc|c} \bigcirc & & & & \\ & & & & \\ & & & & \\ & & & & \end{array} \right] \begin{array}{l} E_2 \leftarrow E_2 - E_1 \\ E_3 \leftarrow E_3 - E_1 \text{ (Βήμα 1)} \\ E_4 \leftarrow E_4 - E_1 \end{array}$$

$$[A^{(1)} | b^{(1)}] = \left[\begin{array}{cccc|c} \bigcirc & & & & \\ 0 & \bigcirc & & & \\ 0 & & & & \\ 0 & & & & \end{array} \right] \begin{array}{l} E_3 \leftarrow E_3 - E_2 \\ E_4 \leftarrow E_4 - E_2 \text{ (Βήμα 2)} \end{array}$$

$$[A^{(2)} | b^{(2)}] = \left[\begin{array}{cccc|c} \bigcirc & & & & \\ 0 & \bigcirc & & & \\ 0 & 0 & \bigcirc & & \\ 0 & 0 & & & \end{array} \right] \begin{array}{l} E_4 \leftarrow E_4 - E_3 \text{ (Βήμα 3)} \end{array}$$

$$[A^{(3)} | b^{(3)}] = \left[\begin{array}{cccc|c} \bigcirc & & & & \\ 0 & \bigcirc & & & \\ 0 & 0 & \bigcirc & & \\ 0 & 0 & 0 & \bigcirc & \end{array} \right] = [U | c]$$

