15. Junet, gladator

1, a,
$$A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} \rightarrow det(A) = -2 (=) 3A^{1}, A reg.$$

$$\begin{cases} b, & A = \begin{bmatrix} 2 & 5 \\ 3 & 4 \end{bmatrix} \rightarrow det(A) = -2 (=) 3A^{1}, A reg. \end{cases}$$

$$\begin{cases} c & A = \begin{bmatrix} 2 & 5 \\ 4 & 4 \end{bmatrix} \rightarrow det(A) = -2 (=) 3A^{1}, A reg. \end{cases}$$

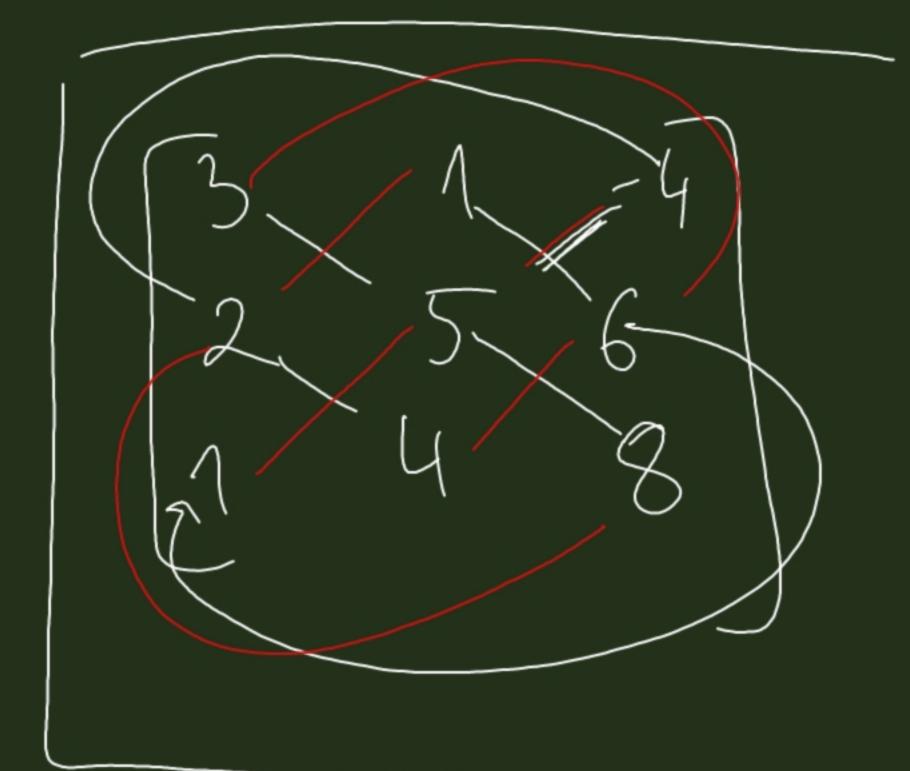
$$\begin{cases} c & A = \begin{bmatrix} 2 & 5 \\ 4 & 4 \end{bmatrix} \rightarrow det(A) = -2 (=) 3A^{1}, A reg. \end{cases}$$

$$= (-1)^{3+5} det(A) = ($$

2. midner 3 x 3 - as det. Sadmoldson.

Samus - Szalhally:

 $\begin{pmatrix} 3 & 1 & -4 & 3 & 1 \\ 2 & 5 & 6 & 2 & 5 \\ 4 & 8 & 1 & 4 \end{pmatrix}$



dut (A) = 3.5.8 + 1.6.1 + (-4).2.4 - (1.2.8 + 3.6.4 + (-4).5.1) = 26

.

$$A^{-1} = \frac{1}{26}$$

$$(\widetilde{A})_{11} = (+1) \cdot det \begin{bmatrix} 5 & 6 \\ 4 & 8 \end{bmatrix} = 16 \widetilde{A}$$

$$(\widetilde{A})_{12} = - det \begin{bmatrix} 1 & -4 \\ 4 & 8 \end{bmatrix} = 26$$

$$(\widetilde{A})_{13} = + det \begin{bmatrix} 1 & -4 \\ 5 & 6 \end{bmatrix} = 26$$