



SEMINARIO DE SOLUCIÓN DE PROBLEMAS DE MÉTODOS MATEMÁTICOS III 17021 D15

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ACTIVIDAD # 7

FECHA:

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Obtención de Formulas Sistema 4x4:

$$\begin{pmatrix} a_{11} & a_{12} & a_{13} & a_{14} & b_1 \\ a_{21} & a_{22} & a_{23} & a_{24} & b_2 \\ a_{31} & a_{32} & a_{33} & a_{34} & b_3 \\ a_{41} & a_{42} & a_{43} & a_{44} & b_4 \end{pmatrix}$$

$$F_2 + F_1 \left(-\frac{a_{21}}{a_{11}} \right) \rightarrow F_3 + F_1 \left(-\frac{a_{31}}{a_{11}} \right) \rightarrow F_4 + F_1 \left(-\frac{a_{41}}{a_{11}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{41}}{a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{41}}{a_{41}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{41}}{a_{41}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{14}a_{21}}{a_{11}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{14}a_{21}}{a_{11}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{41}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_2 \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{22}a_{11} - a_{12}a_{21}} \right) \rightarrow F_4 + F_4 \left(-\frac{a_{41}a_{11}}{a_{11}} \right) \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{11}} \right) \left(-\frac{a_{42}a_{11} - a_{12}a_{21}}{a_{11}} \right) \left(-$$