Cofactor

cofactor matrix:

 $C_{11} = a_{11} \begin{vmatrix} a_{22} & a_{23} \\ a_{32} & a_{33} \end{vmatrix}$ $C_{12} = -a_{12} \begin{vmatrix} a_{21} & a_{23} \\ a_{31} & a_{33} \end{vmatrix}$

C 23 = Q 23 | Cli Q 12 | Q 21 | Q 22 |

$$=) A^{-1} = \frac{1}{\text{det} A} \begin{bmatrix} C_{11} & C_{12} & C_{13} \\ C_{21} & C_{22} & C_{23} \\ C_{31} & C_{32} & C_{33} \end{bmatrix}$$

=)
$$(A^{-1})_{ij} = \frac{1}{\det A} \cdot C_{ji}$$