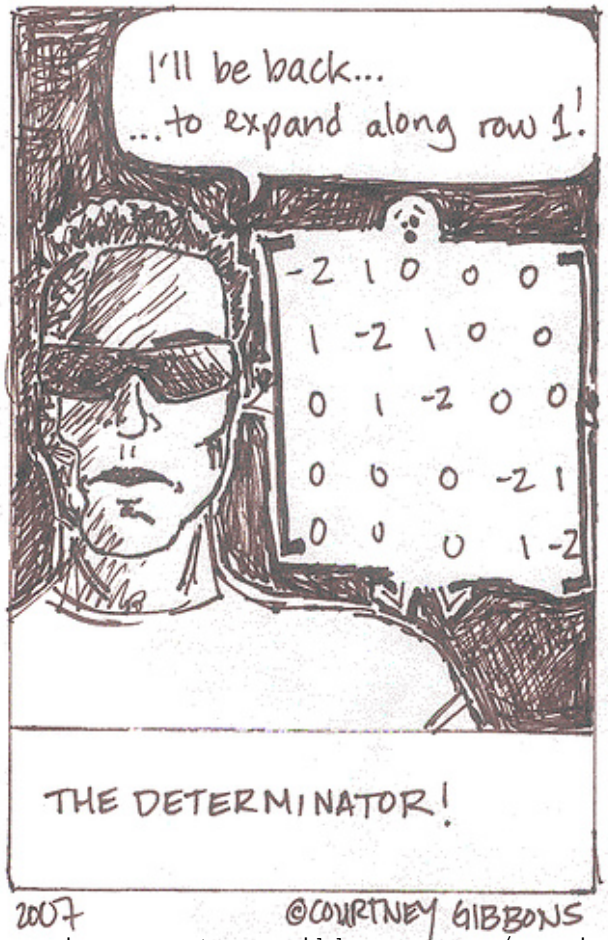
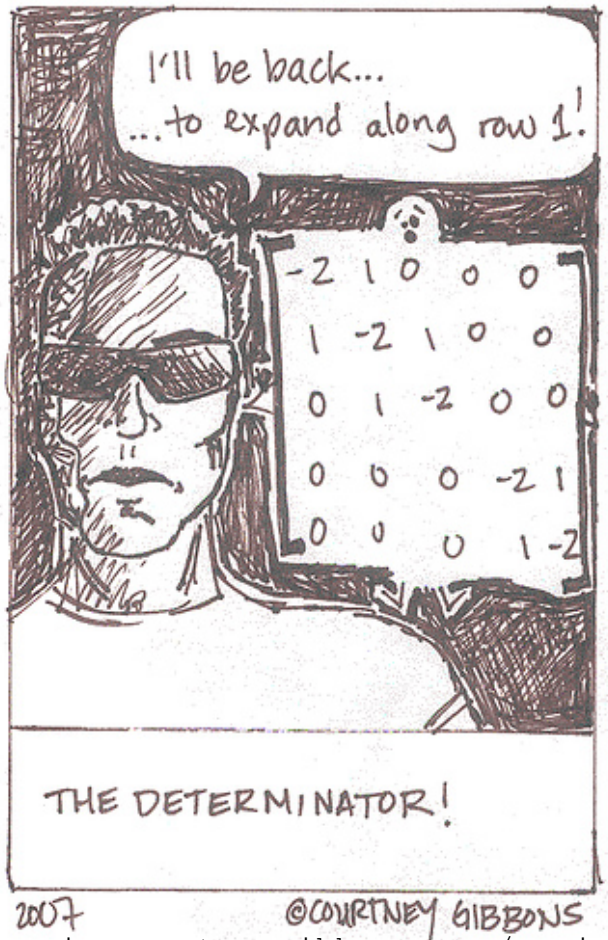


http://brownsharpie.courtneygibbons.org/comic/determinator/

$\sum_{1}^{n} a_{ij} \cdot (-1)^{i+j} \cdot$ Det of matrix obtained by eliminating row i and column j where $i = 1$ is fixed, $j = 1..5$



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$\sum_{1}^{n} a_{ij} \cdot (-1)^{i+j} \cdot$ Det of matrix obtained by eliminating row i and column j where $i = 1$ is fixed, $j = 1..5$

$$-2 \cdot (-1)^{1+1} \begin{vmatrix} -2 & 1 & 0 & 0 \\ 1 & -2 & 0 & 0 \\ 0 & 0 & -2 & 1 \\ 0 & 0 & 1 & -2 \end{vmatrix} + 1 \cdot (-1)^{1+2} \begin{vmatrix} 1 & 1 & 0 & 0 \\ 0 & -2 & 0 & 0 \\ 0 & 0 & -2 & 1 \\ 0 & 0 & 1 & -2 \end{vmatrix} + 0s$$