E.g. Matrix inversion algorithm for checking invertibility and computing inverse (via Gaussian Elimination) $\begin{bmatrix}
1 & 0 & 1 & | & 1 & 0 & 0 \\
0 & 2 & 1 & | & 0 & 1 & 0
\end{bmatrix}$ $\begin{bmatrix}
1 & 0 & 1 & | & 1 & 0 & 0 \\
0 & 2 & 1 & | & 0 & 1 & 0
\end{bmatrix}$ $\begin{bmatrix}
1 & 0 & 1 & | & 1 & 0 & 0 \\
0 & 2 & 1 & | & 0 & 1 & 0
\end{bmatrix}$ EZEIA = I ET(ELEIA)=ETI EIA= Ez A = FIFT A = (ETET) = EJEI I