## Due: Before Mar 21

- 1 Use reduced *SVD* decomposition to find the least squares solution of  $\begin{bmatrix}
  1 & -1 & 1 \\
  1 & -1 & 1 \\
  1 & 1 & -1 \\
  1 & 1 & -1
  \end{bmatrix}
  \begin{bmatrix}
  x_1 \\
  x_2 \\
  x_3
  \end{bmatrix} =
  \begin{bmatrix}
  2 \\
  1 \\
  1 \\
  -2
  \end{bmatrix}$   $\begin{bmatrix}
  1 & 1 & 1 & 1
  \end{bmatrix}$