

$$\begin{aligned}
 [\mathbf{A}|\mathbf{b}] &= \begin{bmatrix} 0.0001 & 2 & 1 \\ 2 & 3 & 2 \end{bmatrix} \\
 &= \begin{bmatrix} 0.0001 & 2 & 1 \\ 0 & -4.000 \times 10^4 & -2.000 \times 10^4 \end{bmatrix} \\
 &\qquad\qquad\qquad -39997 \qquad\qquad -19998
 \end{aligned}$$