

# Lec 26. Warm up

$$A = \begin{bmatrix} 1 & 0 \\ 0 & 1 \\ 1 & 0 \end{bmatrix} \quad \vec{b} = \begin{bmatrix} 0 \\ 0 \\ -1 \end{bmatrix}$$

① Compute  $\hat{\vec{b}} = \text{Proj}_{\text{Col}(A)} \vec{b}$

② Obtain the least-squares sol via

$$A \hat{x} = \hat{b}$$

































