



Find the general orthogonal projection of \mathbf{v} onto W , where $\mathbf{v} = \begin{pmatrix} a \\ b \\ c \end{pmatrix}$ and
 $W = \text{span}\left\{\begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}, \begin{pmatrix} 0 \\ 1 \\ 1 \end{pmatrix}\right\}$. What are the projections when $\mathbf{v} = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}$ and when $\mathbf{v} = \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}$?

[Mark as completed](#)