

$$\begin{bmatrix} \textcolor{teal}{1} & \textcolor{teal}{0} & \textcolor{teal}{0} \\ -\textcolor{teal}{1} & \textcolor{teal}{1} & \textcolor{teal}{0} \\ \textcolor{teal}{2} & -\textcolor{teal}{1} & \textcolor{teal}{1} \end{bmatrix} Y = \begin{bmatrix} \textcolor{teal}{2} \\ \textcolor{teal}{0} \\ \textcolor{teal}{1} \end{bmatrix} \implies Y = \begin{bmatrix} \textcolor{teal}{2} \\ \textcolor{teal}{1} \\ -\textcolor{teal}{1} \end{bmatrix},$$