$$B^{-i} = \frac{1}{8} \begin{bmatrix} 1 & -3 \\ 2 & 6 \end{bmatrix} \qquad (B^{T})^{-i} = \frac{1}{8} \begin{bmatrix} 1 & 2 \\ -3 & 2 \end{bmatrix}$$

$$B \times \frac{1}{8} = b \rightarrow \times \frac{1}{8} = B^{-i}b = \frac{1}{8} \begin{bmatrix} 1 & -3 \\ 2 & 2 \end{bmatrix} \begin{bmatrix} 4 \\ 2 \end{bmatrix} = \frac{1}{8} \begin{bmatrix} -2 \\ 12 \end{bmatrix}$$

$$C^{T} \times \frac{1}{8} = \frac{-2}{8} = \frac{-i}{4} \qquad C^{T} \times \frac{1}{8} = \frac{12}{8} = \frac{3}{4} = \frac{3}{2}$$

$$E^{T} \times \frac{1}{8} = \frac{-2}{8} = \frac{-i}{4} \qquad C^{T} \times \frac{1}{8} = \frac{12}{8} = \frac{3}{4} = \frac{3}{2}$$

$$B^{T} \times \frac{1}{8} = \frac{-2}{8} = \frac{-i}{4} \qquad C^{T} \times \frac{1}{8} = \frac{1}{8} = \frac{1}{4} = \frac{1}{$$