$$A = \begin{bmatrix} 2 & -3 & 1 \\ -4 & 1 & 2 \\ 5 & 0 & 1 \end{bmatrix}$$

$$= \frac{\|Ax\|_{\infty}}{\|Ax\|_{\infty}} \xrightarrow{\|Ax\|_{\infty}} = 7 \quad \|x\|_{\infty} = 1$$

$$A \times = \begin{bmatrix} 2 \times 1 - 3 \times 2 + \times 3 \\ -4 \times 1 + \times 2 + 2 \times 3 \\ 5 \times 1 + \times 3 \end{bmatrix}$$

$$A \times = \begin{bmatrix} -2 - 3 + 1 \\ 4 + 1 + 7 \end{bmatrix}$$

$$A \times = \begin{bmatrix} -2 - 3 + 1 \\ 4 + 1 + 2 \\ -5 + 1 \end{bmatrix} = \begin{bmatrix} -4 \\ 7 \\ -4 \end{bmatrix}$$