

Quiz-3 Solutions

Question 1

$$f_1 = \begin{bmatrix} 1 & 0 & 2 \end{bmatrix} \quad f_2 = \begin{bmatrix} 1 & 1 \\ 0 & -1 \end{bmatrix}$$

1

$$f_1 \otimes f_2 = \begin{bmatrix} 2 & 2 & 1 & 1 \\ 0 & -2 & 0 & -1 \end{bmatrix}$$

2

$$f_1 * f_2 = f'_1 \otimes f_2 = \begin{bmatrix} 1 & 1 & 2 & 2 \\ 0 & -1 & 0 & -2 \end{bmatrix}$$