

$$A = [1 \quad 0], B = \begin{bmatrix} 1 \\ 0 \end{bmatrix}$$

$$AB = [1]$$

(1x1)

AB و A و B هڪٻئي جي عڪس نه آهن

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0 \end{bmatrix}$$

$$B = \begin{bmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \end{bmatrix}$$

$$AB = \begin{bmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \end{bmatrix} = I_{3 \times 3}$$

(3x3)

$$A = \begin{bmatrix} 1 & 0 & \dots & 0 \\ 0 & 1 & \dots & 0 \\ \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & \dots & 1 \end{bmatrix} B = A^T$$

(n x n)

$$AB = I_{n \times n}$$