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

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

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

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

$$AB = \begin{bmatrix} 1 & 0 \end{bmatrix}_{0} = \begin{bmatrix} 1 & 0 \end{bmatrix}_{0} = \begin{bmatrix} 1 & 0 \end{bmatrix}_{0}$$

$$Y \times V: \quad A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \end{bmatrix} P_{XW} \quad B = A^{T} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \\ 0 & 0 \end{bmatrix} P_{XW}$$

$$AB = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \end{bmatrix} \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} P_{XW} = IP$$

$$EL_{W} \text{ i.i.} \quad P_{XW} = IP$$

$$\Lambda \times \Lambda : A = \begin{bmatrix} 1 & 0 & \cdots & 0 & 0 \\ 0 & 1 & \cdots & 0 & 0 \\ \vdots & \vdots & \ddots & \vdots & \vdots \\ 0 & 0 & - & - & - & 1 & 0 \end{bmatrix}$$

$$B = A^{T}$$