

$$\mathbf{A}'' : \begin{array}{c} \alpha \rightarrow \beta \\ \beta \rightarrow \alpha \\ \alpha \rightarrow \beta \\ \beta \rightarrow \alpha \end{array} \begin{array}{cc} & \begin{array}{cc} 2 & \beta \rightarrow \alpha \end{array} \\ \left[\begin{array}{cc} \mathbf{z} & \mathbf{0} \\ \mathbf{0} & \mathbf{X} \end{array} \right] \end{array}$$

$$\mathbf{A}'' : \begin{array}{c} \alpha \rightarrow \beta \\ \beta \rightarrow \alpha \end{array} \begin{array}{cc} \alpha \rightarrow \beta & \beta \rightarrow \alpha \\ \left[\begin{array}{cc} \mathbf{X} & \mathbf{0} \\ \mathbf{0} & \mathbf{X} \end{array} \right] \end{array}$$

$$\mathbf{B}'' : \begin{array}{c} \alpha \rightarrow \beta \\ \beta \rightarrow \alpha \end{array} \begin{array}{cc} \alpha \rightarrow \beta & \beta \rightarrow \alpha \\ \left[\begin{array}{cc} \mathbf{0} & \mathbf{X} \\ \mathbf{X} & \mathbf{0} \end{array} \right] \end{array}$$

$$\mathbf{H}'' = \begin{array}{c} \alpha \rightarrow \beta \\ \beta \rightarrow \alpha \\ \beta \rightarrow \alpha \\ \alpha \rightarrow \beta \end{array} \begin{array}{cccc} & \alpha \rightarrow \beta & \beta \rightarrow \alpha & \alpha \rightarrow \beta & \beta \rightarrow \alpha \\ \left[\begin{array}{cccc} \mathbf{X} & \mathbf{0} & \mathbf{0} & \mathbf{X} \\ \mathbf{0} & \mathbf{X} & \mathbf{X} & \mathbf{0} \\ \mathbf{0} & \mathbf{X} & \mathbf{X} & \mathbf{0} \\ \mathbf{X} & \mathbf{0} & \mathbf{0} & \mathbf{X} \end{array} \right] \end{array}$$