

$$\begin{matrix} (X_t) \\ (Y_t) \end{matrix} \left[\begin{array}{cccccc} \text{Pi} & \text{Ci} & \text{Pi} & \text{Fe} & \text{Ci} & \text{Pi} & \text{Pi} \\ \text{Fe} & \text{Fe} & \text{Ci} & \text{Pi} & \text{Fe} & \text{Ci} & \text{Fe} \end{array} \right]$$