$$(\mathbf{u}_{t}^{a}, \pi_{t}^{a}) \rightarrow (\mathbf{COMA})$$

$$\{Q(\mathbf{u}^{a}=1, \mathbf{u}^{-a}, \mathbf{u}_{t}^{-a}, \mathbf{u}_{t}^{-a}$$