

$$\begin{array}{ccccccc}
 & K_T & & \alpha_T & & & K_1 \\
 \sim x_T & \longrightarrow & \sim x_T^* & \longrightarrow & \sim x_{T-1} & \longrightarrow & \cdots \longrightarrow \sim x_1 \\
 & & & & & & \longrightarrow \sim x_1^* \\
 & & & & & & \longrightarrow \sim x_0
 \end{array}$$