

$$\begin{array}{ccccccc}
 \lambda : \{ \dots, & \alpha, & \beta, & \gamma, & \dots \} & & \\
 & \downarrow f_a & \downarrow f_a & \downarrow f_a & & & \\
 a = (\dots, & x_\alpha, & x_\beta & x_\gamma, & \dots) & &
 \end{array}$$