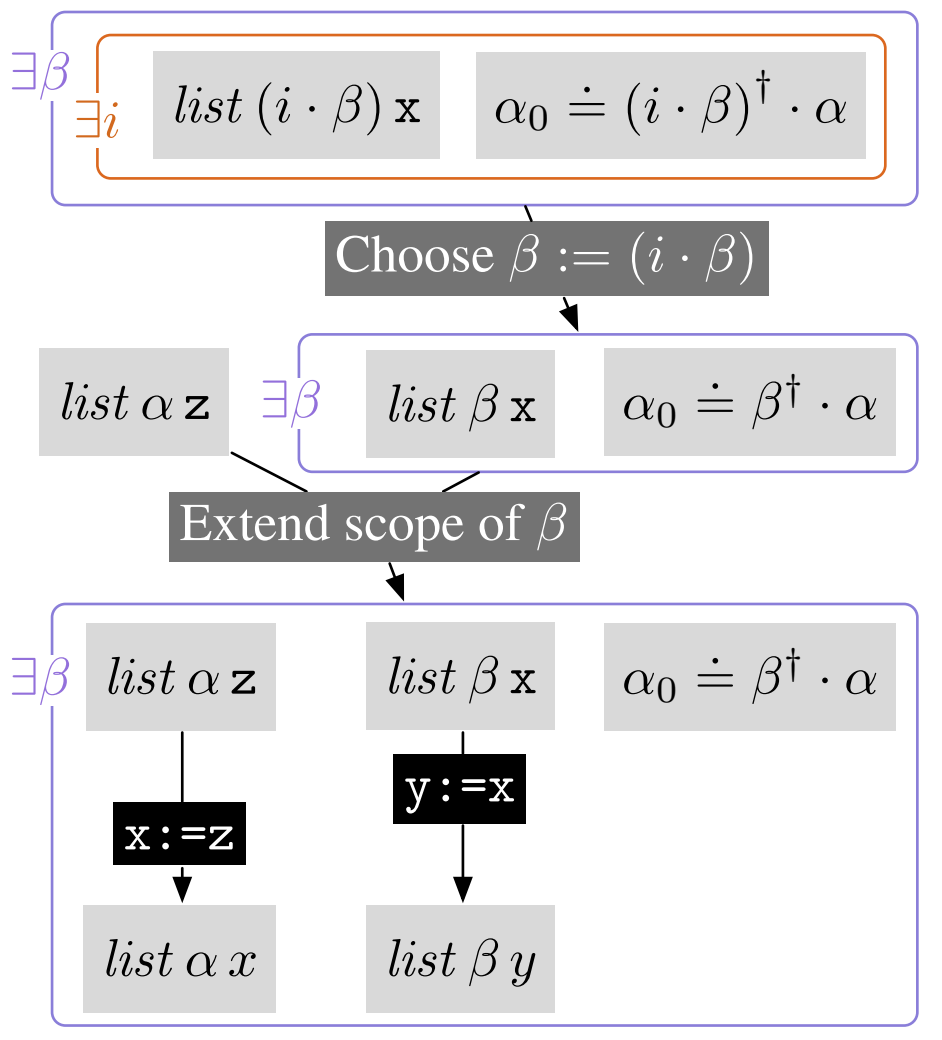
$\exists\beta$
$\exists i$
$list\ (i \cdot \beta)\ \mathtt{x}$
$\alpha_0 \doteq (i \cdot \beta)^\dagger \cdot \alpha$
Choose $\beta := (i \cdot \beta)$
$list\ \alpha\ \mathtt{z}$
$\exists\beta$
$list\ \beta\ \mathtt{x}$
$\alpha_0 \doteq \beta^\dagger \cdot \alpha$
Extend scope of β
$\exists\beta$
$list\ \alpha\ \mathtt{z}$
$list\ \beta\ \mathtt{x}$
$\alpha_0 \doteq \beta^\dagger \cdot \alpha$
x:=z
y:=x
$list\ \alpha\ x$
$list\ \beta\ y$