

$$\begin{aligned}
& \lambda f. \lambda x. x \\
& \lambda f. \lambda x. f x \\
& \lambda f. \lambda x. f(f x) \\
& \lambda f. \lambda x. f(f(f x)) \\
& \quad \vdots \\
& \lambda f. \lambda x. f^{\circ n} x
\end{aligned}$$