(Afgh. fg (Rh)) (Axy.x) h (Ax.xx) (1f. /g. 28. fg (ee)) (1x./g.x) h (1x.xx) $\stackrel{N,A}{=} \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \end{array} \right) \left(\begin{array}{c} \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \cdot \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \cdot \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \cdot \lambda_{q} \cdot \lambda_{R} \cdot (\lambda_{x} \cdot \lambda_{q} \cdot x) \\ \underline{} \cdot \lambda_{q} \\ \underline{} \cdot \lambda_{q} \\ \underline{} \cdot \lambda_{q} \cdot \lambda$ $= 2 \left(\frac{1}{2} \cdot \lambda \kappa \cdot (\lambda x \cdot \lambda y \cdot x) g(\kappa \kappa) \right) h(\lambda x \cdot x x)$ =>B (yk. (yx. yx.x) y (kk)) (yx.xx) $\Rightarrow_{\beta} (\lambda_{x}, \lambda_{y}, x) h((\lambda_{x}, x)(\lambda_{x}, x))$ $\stackrel{N}{=}_{\beta} (\lambda_{\beta}, \mathcal{C}_{\lambda}) ((\lambda_{\lambda}, x_{\lambda}))$ =>3 h

N-normal A-applicative

 $\stackrel{A}{=} \left(\frac{1}{3} \cdot \frac{1$ => (/g. /R.g) & (/n.xx) = 2 (2g. 1k.g) ((1x.xx) =>B (1 K.B) (12.XX) A P

 $(\lambda_{x}.(\lambda_{y}.y) \neq z) (\lambda_{w}.(\lambda_{x}.w)h)$ $(\lambda_{y}.y) \neq (\lambda_{w}.(\lambda_{x}.w)h)$ $(\lambda_{y}.w) \neq (\lambda_{y}.w)h$

 $\begin{array}{l}
A \\
\Rightarrow \beta \\
(\lambda x. 2 x)(\lambda w. (\lambda x. w) h)
\end{array}$ $\begin{array}{l}
A \\
\Rightarrow \beta \\
(\lambda x. 2 x)(\lambda w. w)
\end{array}$ $\begin{array}{l}
A \\
\Rightarrow \beta \\
= \beta 3 2 (\lambda w. w)
\end{array}$