$(\lambda \times : \tau_1 \rightarrow \tau_2. \times \times) (\lambda \times : \tau_3 \rightarrow \tau_4. \times \times)$ ₹, >5 $\Upsilon_1 = \tau_1 \rightarrow \tau_2$ "PROOF" lnour on c. e, ex Assuming Fe: re: ~1 → ~ +e2: ~ By 14012: $e, \rightarrow^* V, \stackrel{\text{SAFETY'}}{\leftarrow} V, \stackrel{\text{SAFETY'}}{\leftarrow} V$ e, > 1/2 ~ " 134 CANONICAL FERMS: v, = > x: ~'. e' $Q \rightarrow * U, V_2 \rightarrow e' \left\{ V_2 \middle| X \right\}$

PROOF! MOUCT ON C. CASE X T +x: ~ INVERSION => P(x) = x. $\chi = \chi_i$ (For some i) ~ = ~; e{1,/x,} -.. {1=/x,} = 1; Sara Ari R 7: (1i) Ry. (), AS DESIREID. CASE () ~ = unit **}**-. { } = () e { } { $R_{\text{onit}}(0)$ CASE $e = \lambda x : \gamma' e'$

Be inversion

~ってーサイ" [, x: ~' + e': T" LET e" BE SOME EXPR R-r' (e"). · +e": ~' · e" HAUTS $\exists \vee " \qquad e " \longrightarrow^* \vee "$ 50 Rz' (") By MOP, KTO e' Rr"(e'{u,/x,} ... {u,/x,}) Rz"(e e") $\frac{1}{3}$ - . . $\frac{1}{3}$ R ~ (e {