PRESERVATION te: ~ e >e' => Fe':~ MOUCT en e -> e'. P(e se') = YT. IF Fe: T THEN Te': T $N_1 + N_2 \rightarrow N$ HERE, e= N, + N2 AND e'= n. (mHEBE N= N'+NS) $\frac{1}{1+n_1+n_2} + \frac{1}{1+n_2} + \frac{1}{1+n_2$ (>x:~'.e,) v -> e, {v/x} Here, e= \$ And e'= 5 x: x' +e,: x + v: x' + >x-x'.e,- x' > x BY ASSUMPTION, + ()x: v.e,) 1: ~ ナリンで C MA

+ e, {u/x}: < }!

By THOP: Feo: 2' => +eo': 2'.

GIVEN FE[eo]: ~ CONTEXT

PROGRESS

te: T => e 15 A VALUE OR exe

INDUCT ON THE TYPE SUDGNERT.

T-VAR e=x (x)=x

WACUOUS.

T-UNIT, T-MT, T-ABS

T-ADD They int Thez int

1HOPs: e, 15 A VARUE OR e, >e,

 e_2 or $e_2 \rightarrow e_2'$

- e_1 is not A VALUE $\frac{e_1 + e_1'}{e_1 + e_2} + e_1' + e_2$ Context

00.00. 2, 15 A VALUE:

 $\frac{e_1 + e_2 \rightarrow e_1 + e_2'}{e_1 + e_2} CONTEXT$

BOTH VALUES

ED = N2

"CANONKAL
FORMS"

FORMS"

CI + EZ > N WHERE N = N + hz

T-APP

e=e, e2

1 NO + e, ' ~' → ~

+ e2 : ~'

11toP(e,) AND 1HOP(e2)

6 e 1 15 mot A VALUE