PRESCRVATION

The: C AND e - De'

3 C' SUCH THAT

The: C' AND

C' < C

INDUCT ON e -e'.

E-PROS

Here, e = new ((T). f; e'= Vi AND fields (6)= Cf

WE KNOW Pre: C.

ONLY ONE TYPE RULE CAN DEANE, T-FIELD.

By inversion, [+ new (o (v): Do and fields (Do) = Dg And D; = C

By INVERSION ON , UIA T-NEW,

Do = Co And Tho: B
And B < D.

Because Do-Co, (f= Dg. THEN C= C: WEENOW BED = E, so $B_i \leq C_i$.

T + Vi : B: AS REQUIRED.

PROGRESS_ +e:(=> · e is a value, or · 3e' e -e', or · e=E[(B) new A(v)] WITH A & B INDUCT ON +e:C CASE T-VAR e= x, But +x: C CANNOT FIOLD. THIS CASE VACUOUS. CASE T-FIGD Itere, e=e.f. + e. : C. fields ((a) = (f C = C: APRY 1HOP to Co. By LANONI RAL FORMS, eo = new (a (V) By Inversion, fef

BY E-PRO), e - Vi.

IF $e_6 \rightarrow e_6'$ BY E-CONTEXT $e = E[e_0] \rightarrow E[e_0']$ WHERE E = [i].f.

OTHERWISE, $e_6 = E_6[stuck cast]$ THEN e = E[stuck cast]WHERE E = E[stuck cast]