D. CTXC -St *Objets: (c,d) with cec, deD(c,c) 9. CT x C -> Cat CEC dcD(c,c) $O(c,c) \neq d$ J O(c,c')* Oliverts: (c,d) with (8,5) (c', o')D(c', c') 2d'

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X: A, y.B Z: C-[6,0] [Cx, D]: In - Cat [Cx, Dy]: TOPXI -> Cat C: I - Cat] [C, O]
D: I - Cat] [TOPAI - Cot]
I

-1 (dalda 2(0,0) of 13 813 Oli(c, D'[F])= Oli(a,D')
Hon (c & c'| d', d'') = Han (Fc Fs Fc' | d' d')

X: A, y: B 2: C-[6,0] [Cox, D]: In - Cat [Cx, Dy]: I opx I -> Cat C: I - Cat] [C,O]
D: I - Cat] [TOPAI - Cot]
I

aew J. V -> W CEV W=> fi(fx xc) = JV. (W > V) x (V >>) *axc) = JV. (Ws) x (JVsa) x (Vsc) W=> a×fic = (W=>a) × FV. (W=>fV) × (V=>c)

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- sort out Justion types
- sort out Justion types
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- * IT - XIT

$$D(B^{A})S = B^{A}(DS) = \forall (y' \in \Gamma/OS) . Ay \rightarrow By$$

$$\lim_{A \to \infty} (y_{S}, B^{A}D^{-})$$

$$\lim_{A \to \infty} (y_{DS}, B^{A}) \qquad (BD)^{(AD)} =$$

$$\lim_{A \to \infty} (y_{DS}, A, B) \qquad \forall (S' \in A/S) . ADS \rightarrow BDS$$

$$\lim_{A \to \infty} (y_{S}, A, B)$$

 $(F_{1}T)_{\delta} = \exists y \cdot \text{Hom}(\delta_{1}F_{y}) \times T_{y}$ $= \text{col}^{-}$ $(y_{1}-) \in \int_{\Gamma} \text{Hom}(\delta_{1}F_{-})$

F.F.F.

TET SED

Fra: A

SUF BURZEY, D-)

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KTM (K1; K2) S KTMA (K1; K2)

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KTM (K1; K2) S KTMA (K1; K2)

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THEOP & TOTAL PLANT

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((x", f", S. - Fx"), "

XII:= X XXI

8 FX' E FX"

TTX:0 THA:D (X) 0 A + 0 1-A:40 Julyan / [, A! D Demantics B 684 [x Sel op, TPC x Sel come) Tx Sctop Pastisian ath 6ts A & Cost of JA ETITO artism in IT 一个成大 (Tx leton, TRC Cost and) (Lxpotob Loc Cotob)

KTm: (Kctx -> Kind -> Sctop

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A: X 8:3, C:2 H