



The openyupy and me x B-NF Ecus Mc  $\underline{\Lambda}$  were  $N - \beta - NF$  no  $M \rightarrow \beta N$ Dou- lo i  $M = N \Rightarrow L \underline{\Lambda} \qquad M \Rightarrow L$ ,  $N \Rightarrow L$ , Ho  $\ell$  moran Cuyrae N=L  $\mathcal{J}_{2} = \omega = (\lambda x. xx)(\lambda x. xx)$ KIR I= dx.x K=dxy.x

The o epunembernoemu B-NF H M & M Chucem re James opned B-NF.  $M = \mathcal{N}_1$   $\mathcal{N}_1 = \mathcal{N}_2$ JM consens  $N_1$ ,  $N_2$  bearesmbe  $\beta$ -NF morga  $N_1 = M = N_2$ Banou cugae  $\exists$   $L \in \Omega$ :  $N_1 \Rightarrow L$ ,  $N_2 \Rightarrow L$ .  $N_2 = L = N_2$ . Ho morga  $N_1 = L = N_2$ true = 1 + f. + falge = 1 +f. f true + folse

 $\lambda \times yN = \lambda_{x_1...x_n}.yN.N_2 \stackrel{\text{rowsknows}}{=} \frac{\text{rowsknows}}{\text{rowsknows}} \frac{\lambda_{x_1...x_n}.yN.N_2}{\text{rowsknows}} \stackrel{\text{rowsknows}}{=} \frac{\lambda_{x_1...x_n}.yN.N_2}{\text{r$  $\lambda \neq .(\lambda = M) \vec{N} = \Delta x_1 ... x_n . (\Delta z M) N_1 ... N_2$ Cuestax HNF (WHNF); we HNF cui de conspanse la Connect ypobile nonopas he a, b, c & V N, M C I => (MN) = 1. xeV, MeA => (dx. M)eA 2x. MN FC

1 > 11 > 157C M & A MM Mun - cumoucure cuas mer na nonopas upunuca baema tepuny no oup- u mobilian (dx. MN): L - 6 course Kappu (1x: B. MN): L - Comme Tipza (AXB. MN): L

Mr. lo mund 
$$T$$
 $d, \beta, \ldots \in T$  (nepercense  $Tano)$ 
 $\sigma, \varepsilon \in T \Rightarrow (\sigma \Rightarrow \varepsilon) \in T$  (num  $n_{f} \cdot los g \cdot \varepsilon$ )

 $T := V \mid T \Rightarrow T$ 
 $(\sigma \Rightarrow \varepsilon) \Rightarrow d \Rightarrow \beta$ 
 $((\sigma \Rightarrow \varepsilon) \Rightarrow d) \Rightarrow \beta$ 
 $((\sigma \Rightarrow \varepsilon) \Rightarrow d) \Rightarrow \beta$ 
 $((\sigma \Rightarrow \varepsilon) \Rightarrow \sigma_{\sigma} \Rightarrow \sigma_{\sigma})$ 
 $((d \Rightarrow \beta) \Rightarrow c) = (d \Rightarrow \beta) \Rightarrow c$ 
 $((d \Rightarrow \beta) \Rightarrow c) = (d \Rightarrow \beta) \Rightarrow c$ 
 $f \times c = \beta$ 
 $f \times c = \beta$ 

Thum is by the mains Tepley:

- Tepacerhas

$$x: \lambda, y: \lambda \Rightarrow \beta, z: \lambda \Rightarrow \beta \Rightarrow \lambda \Rightarrow \lambda$$

- Annual various

 $M, N \in \mathcal{A} \Rightarrow (MN) \in \mathcal{A}$ :

 $M \cdot goinno \ Sams \ g \cdot \mathcal{E}$ 
 $N - approximan \ goinne H \ Sait \ coom beaut by saigne in  $N: 6$ 
 $M \cdot S \Rightarrow \mathcal{E} \quad X \cdot S \Rightarrow \mathcal{E} \quad X$$ 

A oup angua ( \( x \) : - muas gs-ч дх. М°. 5-> Е - men apymenna x: 6 - num ococpanyen (dx. M): 2 1x. 1y: x(yx): 2=13=7  $\chi(y\chi)$ ;  $\chi$ 

The proper 
$$A_{2a}$$
:  $A_{2a} = A_{2a}$ 

The property  $A_{7}$ :

 $x \in V \Rightarrow x \in A_{7}$ 
 $M, N \in A_{7} \Rightarrow (MN) \in A_{7}$ 
 $N \in A_{7}, x \in V, \sigma \in \mathcal{T} \Rightarrow (\lambda x^{\sigma}, M) \in A_{7}$ 
 $(\lambda x : \sigma, M) \in A_{7}$ 

The beginning the continuous arguments of the properties of numerical sections  $A \in A_{7}$ 

The properties of  $A = A_{7}$ ,  $A \in A_{7}$ ,  $A \in A_{7}$ 

The properties of  $A = A_{7}$ ,  $A \in A_{7}$ 

The properties of  $A = A_{7}$ 

The properties of

Контексия Г - им-во объевием с разии ноши керемением  $\Gamma = \{x_1 : \sigma_1, \dots, x_n : \sigma_n\}$ Γ + M: σ - balagreens 6 8 Brebey yn beprige kur: (6 cmme Rappie noe-no XH (akuona) P+x:5 => x 6 P eneg. c (->E) [- H: 6-> = [+ N: 6 HX: 6 P+MN: E Cerepct bere (-> I) 7 x 6 + M: E C= LUEX3 L+ XX. M: C>E Mepur de - omo repeguepar, que reorgioso

(=I) x, y 13 + x: 2 MM E A MM & M? L-BL  $(\rightarrow I) + \lambda y \cdot x : \beta \rightarrow \lambda$   $(\rightarrow I) + \lambda x y \cdot x : \lambda \rightarrow \beta \rightarrow \lambda$ y, z + y:  $\delta$   $\rightarrow \beta$  y, z + z:  $\delta$ , 2 + y2:B  $(-1) \xrightarrow{d \to \beta} + \lambda z \xrightarrow{\lambda} y z : \lambda \to \beta$   $+ \lambda y \xrightarrow{\beta \to \beta} \lambda z \xrightarrow{\lambda} y z : (\lambda \to \beta) \to \lambda \to \beta$ 

Пробиения разрешенисти Type cheesing problem H M: 5 Z Type som thesis problem F M: 2 Type inhabitation problem H 2:5