

t33_normform
(TMPrBNVYFquopX4RiQguqg36iNNLGJaixf9)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_finsub_1 : \iota \Rightarrow \iota$ be given. Let $k7_normform : \iota \Rightarrow \iota$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8_normform : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
 \forall X0. k8_normform\ X0 = & \text{ReplSep (toset (\lambda X1 : \iota. m1_subset_1} \\
 & X1 (k5_finsub_1 (k7_normform\ X0)))) (\lambda X1 : \iota. \forall X2. (} \\
 & m2_subset_1\ X2 (k2_zfmisc_1 (k5_finsub_1\ X0) (k5_finsub_1\ X0)) \\
 & (k7_normform\ X0)) \Rightarrow (\forall X3. (m2_subset_1\ X3 (k2_zfmisc_1 (\\
 & k5_finsub_1\ X0) (k5_finsub_1\ X0)) (k7_normform\ X0)) \Rightarrow (((X2 \in X1) \wedge \\
 & ((X3 \in X1) \wedge (r1_normform (k5_finsub_1\ X0) (k5_finsub_1\ X0)\ X2\ X3))) \Rightarrow \\
 & (X2 = X3)))) (\lambda X1 : \iota. X1)
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 \forall X0. \forall X1. (m1_subset_1\ X1 (k5_finsub_1 (k7_normform \\
 X0))) \Rightarrow ((\forall X2. (m2_subset_1\ X2 (k2_zfmisc_1 (k5_finsub_1 \\
 X0) (k5_finsub_1\ X0)) (k7_normform\ X0)) \Rightarrow (\forall X3. (m2_subset_1 \\
 X3 (k2_zfmisc_1 (k5_finsub_1\ X0) (k5_finsub_1\ X0)) (k7_normform \\
 X0)) \Rightarrow (((X2 \in X1) \wedge ((X3 \in X1) \wedge (r1_normform (k5_finsub_1\ X0) (k5_finsub_1 \\
 X0)\ X2\ X3))) \Rightarrow (X2 = X3)))) \Rightarrow (X1 \in k8_normform\ X0))
 \end{aligned}$$