

t36_normform (TMWoFpjRinaR- rHBy1Q26DdTwdZpnzRN9pCH)

October 27, 2020

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 $k5_finsub_1 : \iota \Rightarrow \iota$ be given. Let $k7_normform : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_normform : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0. \forall X1. (m1_subset_1 X1 (k5_finsub_1 (k7_normform \\
 & X0))) \Rightarrow (k9_normform X0 X1 = ReplSep (toset (\lambda X2 : \iota. m2_subset_1 \\
 & X2 (k2_zfmisc_1 (k5_finsub_1 X0) (k5_finsub_1 X0)) (k7_normform \\
 & X0))) (\lambda X2 : \iota. \forall X3. (m2_subset_1 X3 (k2_zfmisc_1 (k5_finsub_1 \\
 & X0) (k5_finsub_1 X0)) (k7_normform X0)) \Rightarrow (((X3 \in X1) \wedge (r1_normform \\
 & (k5_finsub_1 X0) (k5_finsub_1 X0) X3 X2)) \Leftrightarrow (X3 = X2))) (\lambda X2 : \iota. \\
 & X2))
 \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
 & \forall X0. \forall X1. (m2_subset_1 X1 (k2_zfmisc_1 (k5_finsub_1 \\
 & X0) (k5_finsub_1 X0)) (k7_normform X0)) \Rightarrow (\forall X2. (m2_subset_1 \\
 & X2 (k2_zfmisc_1 (k5_finsub_1 X0) (k5_finsub_1 X0)) (k7_normform \\
 & X0)) \Rightarrow (\forall X3. (m1_subset_1 X3 (k5_finsub_1 (k7_normform X0))) \Rightarrow \\
 & ((X1 \in k9_normform X0 X3) \Rightarrow ((X1 \in X3) \wedge (((X2 \in X3) \wedge (r1_normform (k5_finsub_1 \\
 & X0) (k5_finsub_1 X0) X2 X1)) \Rightarrow (X2 = X1))))))
 \end{aligned}$$