

t37_normform
(TMKeXBZAGe3UTGEmyK53NaCrctRbCKKetL)

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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 $r1_normform : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

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

Theorem 1

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