

t40_normform
(TMEgn8X4qv22vHDGmUuHZjLLNpkuTWE1xkh)

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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 $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_normform : \iota \Rightarrow \iota \Rightarrow \iota$ 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. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k5_finsub_1 (k7_normform \\ & X0))) \Rightarrow (k9_normform X0 X1 = ReplSep (toset (\lambda X2 : \iota. m2_subset_1 \\ & X2 (k2_zfmisc_1 (k5_finsub_1 X0) (k5_finsub_1 X0)) (k7_normform \\ & X0))) (\lambda X2 : \iota. \forall X3. (m2_subset_1 X3 (k2_zfmisc_1 (k5_finsub_1 \\ & X0) (k5_finsub_1 X0)) (k7_normform X0)) \Rightarrow (((X3 \in X1) \wedge (r1_normform \\ & (k5_finsub_1 X0) (k5_finsub_1 X0) X3 X2)) \Leftrightarrow (X3 = X2)))) (\lambda X2 : \iota. \\ & X2)) \end{aligned} \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k5_finsub_1 (k7_normform X0))) \Rightarrow (r1_tarski (k9_normform X0 X1) X1)$$