

l55_normform (TMHUEEyCvQUc- Cqv4bB3r1NZDcSAzKZvPVxJ)

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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 $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole.0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(\neg v1_xboole.0 X0) \Rightarrow (\forall X1.(m1_subset.1 X1 (k5_finsub.1 X0)) \Rightarrow (\forall X2.(X2 \in X1) \Rightarrow (m1_subset.1 X2 X0))) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1_xboole.0 X0) \wedge ((\neg v1_xboole.0 X1) \wedge (m1_subset.1 X1 (k1_zfmisc.1 X0)))) \Rightarrow (\forall X2.(m2_subset.1 X2 X0 X1) \Leftrightarrow (m1_subset.1 X2 X1)) \quad (2)$$

Assume the following.

$$\forall X0.\neg v1_xboole.0 (k7_normform X0) \quad (3)$$

Assume the following.

$$\forall X0.m1_subset.1 (k7_normform X0) (k1_zfmisc.1 (k2_zfmisc.1 (k5_finsub.1 X0) (k5_finsub.1 X0))) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Assume the following.

$$\forall X0.(v1_xboole.0 X0) \Rightarrow (\forall X1.(m1_subset.1 X1 (k1_zfmisc.1 X0)) \Rightarrow (v1_xboole.0 X1)) \quad (6)$$

Theorem 1

$$\begin{aligned} & \forall X0.\forall X1.(m1_subset.1 X1 (k5_finsub.1 (k7_normform X0))) \Rightarrow (\forall X2.(m1_subset.1 X2 (k5_finsub.1 (k7_normform X0))) \Rightarrow ((\forall X3.(m2_subset.1 X3 (k2_zfmisc.1 (k5_finsub.1 X0) (k5_finsub.1 X0)) (k7_normform X0)) \Rightarrow ((X3 \in X1) \Rightarrow (X3 \in X2)))) \Rightarrow \\ & (r1_tarski X1 X2))) \end{aligned}$$