

t35_ens_1 (TM-
RVpPnzBk7PgsQTmbUNbPhTwNjUMF881iJ)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k11_ens_1 : \iota \Rightarrow \iota$ be given. Let $v10_cat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. ((\neg v1_xboole_0 X1) \wedge (v1_classes2 X1)) \Rightarrow ((X0 \in X1) \Rightarrow (k1_tarski X0 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (k1_xboole_0 \in X0) \quad (2)$$

Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 (k11_ens_1 X0))) \Rightarrow (\neg (X0 \neq k1_tarski k1_xboole_0) \wedge ((v10_cat_1 X1 (k11_ens_1 X0)) \wedge (\forall X2. X1 \neq k1_tarski X2)))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (4)$$

Theorem 1

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 (k11_ens_1 X0))) \Rightarrow (\neg (v10_cat_1 X1 (k11_ens_1 X0)) \wedge (\forall X2. X1 \neq k1_tarski X2)))$$