

t1_zf_refle
(TMSs7fzo8bFNmwsG19kUc9Fni3hin19vzE7)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $r2_zf_model : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_zf_model : \iota$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_classes1 : \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow ((v1_ordinal1 X0) \Rightarrow ((r2_zf_model X0 k7_zf_model) \Leftrightarrow (\forall X1. \forall X2. ((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (k2_tarski X1 X2 \in X0)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((v2_classes1 X0) \wedge ((X1 \in X0) \wedge (X2 \in X0))) \Rightarrow ((k1_tarski X1 \in X0) \wedge (k2_tarski X1 X2 \in X0)) \quad (2)$$

Assume the following.

$$\forall X0. (v1_classes2 X0) \Rightarrow ((v1_ordinal1 X0) \wedge (v2_classes1 X0)) \quad (3)$$

Theorem 1

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (r2_zf_model X0 k7_zf_model)$$