t4_zf_refle (TMGXxXAK1cGCBsCvriLtW9xTXNXDA2YfpKe)

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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 $k10\_zf\_model : \iota$ be given. Let $v1\_ordinal1 : \iota \Rightarrow o$ be given. Let $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $k9\_setfam\_1 : \iota \Rightarrow \iota$ be given. Let $k3\_tarski : \iota \Rightarrow \iota$ be given. Let $k1\_setfam\_1 : \iota \Rightarrow \iota$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v2\_classes1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow ((v1\_ordinal1\ X0) \Rightarrow ((r2\_zf\_model\ X0\ k10\_zf\_model) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow (k3\_xboole\_0\ X0\ (k1\_zfmisc\_1\ X1) \in X0)))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\neg(X0 \in X1) \wedge (v1\_xboole\_0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X1) \wedge (v1\_classes2\ X1)) \Rightarrow ((X0 \in X1) \Rightarrow ((k9\_setfam\_1\ X0 \in X1) \wedge ((k3\_tarski\ X0 \in X1) \wedge (k1\_setfam\_1\ X0 \in X1)))) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Rightarrow (k3\_xboole\_0\ X0\ X1 = X0) \tag{4}$$

Assume the following.

$$\forall X0.k9\_setfam\_1\ X0 = k1\_zfmisc\_1\ X0 \tag{5}$$

Assume the following.

$$\forall X0.(v1\_ordinal1\ X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow (r1\_tarski\ X1\ X0)) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.k3\_xboole\_0\ X0\ X1 = k3\_xboole\_0\ X1\ X0 \tag{7}$$

Assume the following.

$$\forall X0.(v1\_classes2\ X0) \Rightarrow ((v1\_ordinal1\ X0) \wedge (v2\_classes1\ X0)) \qquad (8)$$

Theorem 1

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (r2\_zf\_model\ X0\ k10\_zf\_model)$$