

# t2\_zf\_refle (TMP- NCdT7Gxn4cHfHyXc2sBE2wR34X3vGwdT)

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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  $k8\_zf\_model : \iota$  be given. Let  $v1\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_classes1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow ((v1\_ordinal1 X0) \Rightarrow ((r2\_zf\_model X0 k8\_zf\_model) \Leftrightarrow (\forall X1. (X1 \in X0) \Rightarrow (k3\_tarski X1 \in X0)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1\_xboole\_0 X1) \wedge (v1\_classes2 X1)) \Rightarrow ((X0 \in X1) \Rightarrow ((k9\_setfam\_1 X0 \in X1) \wedge ((k3\_tarski X0 \in X1) \wedge (k1\_setfam\_1 X0 \in X1)))) \quad (2)$$

Assume the following.

$$\forall X0. (v1\_classes2 X0) \Rightarrow ((v1\_ordinal1 X0) \wedge (v2\_classes1 X0)) \quad (3)$$

## Theorem 1

$$\forall X0. ((\neg v1\_xboole\_0 X0) \wedge (v1\_classes2 X0)) \Rightarrow (r2\_zf\_model X0 k8\_zf\_model)$$