

t8\_zfrefle1  
(TMZbvKBsWxxK23eP9qGpJzM4jBuBxrd7riX)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $r2\_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k9\_zflang : \iota$  be given. Let  $r1\_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_zflang : \iota \Rightarrow o$  be given. Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k2\_zf\_model : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $r2\_zf\_model : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.((v1\_zflang X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Rightarrow (\exists X1. \\ ((v1\_zflang X1) \wedge (m2\_finseq\_1 X1 k5\_numbers)) \wedge ((k2\_zf\_model \\ X1 = k1\_xboole\_0) \wedge (\forall X2. (\neg v1\_xboole\_0 X2) \Rightarrow ((r2\_zf\_model \\ X2 X1) \Leftrightarrow (r2\_zf\_model X2 X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.((v1\_zflang X0) \wedge (m2\_finseq\_1 X0 k5\_numbers)) \Leftrightarrow (X0 \in k9\_zflang) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X0 (k1\_zfmisc\_1 X1)) \Leftrightarrow (r1\_tarski X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarski (k1\_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1\_xboole\_0 X0) \wedge (\neg v1\_xboole\_0 X1)) \Rightarrow ((r2\_zfrefle1 X0 X1) \Rightarrow (r2\_zfrefle1 X1 X0)) \quad (5)$$

Assume the following.

$$\begin{aligned} \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (\neg v1\_xboole\_0 X1) \Rightarrow \\ ((r2\_zfrefle1 X0 X1) \Leftrightarrow (\forall X2. ((v1\_zflang X2) \wedge (m2\_finseq\_1 \\ X2 k5\_numbers)) \Rightarrow ((k2\_zf\_model X2 = k1\_xboole\_0) \Rightarrow ((r2\_zf\_model \\ X0 X2) \Leftrightarrow (r2\_zf\_model X1 X2)))))) \end{aligned} \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ k9\_zf\_lang)) \Rightarrow ((r1\_zrefle1 X0 X1) \Leftrightarrow (\forall X2.((v1\_zf\_lang \\ X2) \wedge (m2\_finseq\_1 X2 k5\_numbers)) \Rightarrow ((X2 \in X1) \Rightarrow (r2\_zf\_model X0 X2)))))) \end{aligned} \quad (7)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1\_tarski X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (8)$$

**Theorem 1**

$$\begin{aligned} \forall X0.(\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1.(\neg v1\_xboole\_0 X1) \Rightarrow \\ ((r2\_zrefle1 X0 X1) \Leftrightarrow (\forall X2.(m1\_subset\_1 X2 (k1\_zfmisc\_1 \\ k9\_zf\_lang)) \Rightarrow ((r1\_zrefle1 X0 X2) \Leftrightarrow (r1\_zrefle1 X1 X2)))))) \end{aligned}$$