

t4_zfrefle1

(TMbKrm3tputohVNJ7SnZjGkHUue1wyRYzaN)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_zf_model : \iota \Rightarrow o$ be given. Let $r1_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfrefle1 : \iota$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $r2_zf_model : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_zf_model : \iota$ be given. Let $k1_zfrefle1 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k9_zf_lang : \iota$ be given. Let $k7_zf_model : \iota$ be given. Let $k8_zf_model : \iota$ be given. Let $k9_zf_model : \iota$ be given. Let $k10_zf_model : \iota$ be given. Let $v1_zf_lang : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zf_lang : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $k2_zf_model : \iota \Rightarrow \iota$ be given. Let $k11_zf_model : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow ((v1_ordinal1 X0) \Rightarrow (r2_zf_model X0 k6_zf_model)) \quad (1)$$

Assume the following.

$$k2_zfrefle1 = k1_zfrefle1 \quad (2)$$

Assume the following.

$$m1_subset_1 k2_zfrefle1 (k1_zfmisc_1 k9_zf_lang) \quad (3)$$

Assume the following.

$$\begin{aligned} \forall X0. (X0 = k1_zfrefle1) \Leftrightarrow (\forall X1. (X1 \in X0) \Leftrightarrow ((X1 \in k9_zf_lang) \wedge \\ (\neg (X1 \neq k6_zf_model) \wedge (\neg (X1 \neq k7_zf_model) \wedge (\neg (X1 \neq k8_zf_model) \wedge \\ ((X1 \neq k9_zf_model) \wedge (\neg (X1 \neq k10_zf_model) \wedge (\forall X2. ((v1_zf_lang X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow (\neg (r1_xboole_0 (k1_enumset1 \\ (k2_zf_lang k6_numbers) (k2_zf_lang np_1) (k2_zf_lang np_2)) \\ (k2_zf_model X2)) \wedge (X1 = k11_zf_model X2)))))))))) \quad (4) \end{aligned}$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zf_misc_1 \\ k9_zf_lang)) \Rightarrow ((r1_zrefle1 X0 X1) \Leftrightarrow (\forall X2.((v1_zf_lang \\ X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow ((X2 \in X1) \Rightarrow (r2_zf_model X0 X2)))))) \end{aligned} \quad (5)$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0) \Rightarrow ((v1_zf_model X0) \Leftrightarrow ((v1_ordinal1 \\ X0) \wedge ((r2_zf_model X0 k7_zf_model) \wedge ((r2_zf_model X0 k8_zf_model) \wedge \\ ((r2_zf_model X0 k9_zf_model) \wedge ((r2_zf_model X0 k10_zf_model) \wedge \\ (\forall X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow (\\ (r1_xboole_0 (k1_enumset1 (k2_zf_lang k6_numbers) (k2_zf_lang \\ np_1) (k2_zf_lang np_2)) (k2_zf_model X1)) \Rightarrow (r2_zf_model X0 \\ (k11_zf_model X1)))))))))) \end{aligned} \quad (6)$$

Theorem 1

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow ((v1_zf_model X0) \Rightarrow (r1_zrefle1 X0 k2_zrefle1))$$