

t60_zf_lang1 (TMQWRnT-
biVyfW1JX9QQKSwbxD3dagVco8X6)

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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 $k2_zf_model : \iota \Rightarrow \iota$ be given. Let $k6_zf_lang : \iota \Rightarrow \iota$ be given. Let $v2_zf_lang : \iota \Rightarrow o$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zf_lang : \iota$ be given. Let $k4_zf_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3_zf_lang : \iota \Rightarrow o$ be given. Let $k5_zf_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v4_zf_lang : \iota \Rightarrow o$ be given. Let $v5_zf_lang : \iota \Rightarrow o$ be given. Let $k7_zf_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v6_zf_lang : \iota \Rightarrow o$ be given. Let $k8_zf_lang : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k20_zf_lang : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k18_zf_lang : \iota \Rightarrow \iota$ be given. Let $k19_zf_lang : \iota \Rightarrow \iota$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k21_zf_lang : \iota \Rightarrow \iota$ be given. Let $k22_zf_lang : \iota \Rightarrow \iota$ be given. Let $k7_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k24_zf_lang : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k23_zf_lang : \iota \Rightarrow \iota$ be given. Let $m1_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given.

Assume the following.

$$\begin{aligned}
& \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((\\
& \neg(v2_zf_lang X0) \wedge (\forall X1.(m2_subset_1 X1 k5_numbers k1_zf_lang) \Rightarrow \\
& (\forall X2.(m2_subset_1 X2 k5_numbers k1_zf_lang) \Rightarrow (X0 \neq k4_zf_lang \\
& X1 X2)))) \wedge (((\exists X1.(m2_subset_1 X1 k5_numbers k1_zf_lang) \wedge \\
& (\exists X2.(m2_subset_1 X2 k5_numbers k1_zf_lang) \wedge (X0 = k4_zf_lang \\
& X1 X2))) \Rightarrow (v2_zf_lang X0)) \wedge ((\neg(v3_zf_lang X0) \wedge (\forall X1.(m2_subset_1 \\
& X1 k5_numbers k1_zf_lang) \Rightarrow (\forall X2.(m2_subset_1 X2 k5_numbers \\
& k1_zf_lang) \Rightarrow (X0 \neq k5_zf_lang X1 X2)))) \wedge (((\exists X1.(m2_subset_1 \\
& X1 k5_numbers k1_zf_lang) \wedge (\exists X2.(m2_subset_1 X2 k5_numbers \\
& k1_zf_lang) \wedge (X0 = k5_zf_lang X1 X2))) \Rightarrow (v3_zf_lang X0)) \wedge ((\neg(v4_zf_lang \\
& X0) \wedge (\forall X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow \\
& (X0 \neq k6_zf_lang X1))) \wedge (((\exists X1.((v1_zf_lang X1) \wedge (m2_finseq_1 \\
& X1 k5_numbers)) \wedge (X0 = k6_zf_lang X1)) \Rightarrow (v4_zf_lang X0)) \wedge ((\neg(v5_zf_lang \\
& X0) \wedge (\forall X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow \\
& (\forall X2.((v1_zf_lang X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow (\\
& X0 \neq k7_zf_lang X1 X2)))) \wedge (((\exists X1.((v1_zf_lang X1) \wedge (m2_finseq_1 \\
& X1 k5_numbers)) \wedge (\exists X2.((v1_zf_lang X2) \wedge (m2_finseq_1 X2 \\
& k5_numbers)) \wedge (X0 = k7_zf_lang X1 X2))) \Rightarrow (v5_zf_lang X0)) \wedge ((\neg(\\
& v6_zf_lang X0) \wedge (\forall X1.(m2_subset_1 X1 k5_numbers k1_zf_lang) \Rightarrow \\
& (\forall X2.((v1_zf_lang X2) \wedge (m2_finseq_1 X2 k5_numbers)) \Rightarrow (\\
& X0 \neq k8_zf_lang X1 X2)))) \wedge (((\exists X1.(m2_subset_1 X1 k5_numbers \\
& k1_zf_lang) \wedge (\exists X2.((v1_zf_lang X2) \wedge (m2_finseq_1 X2 k5_numbers)) \wedge \\
& (X0 = k8_zf_lang X1 X2))) \Rightarrow (v6_zf_lang X0)))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (k20_zf_lang (k6_zf_lang X0) = X0) \tag{2}$$

Assume the following.

$$\begin{aligned}
& \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((\\
& (v2_zf_lang X0) \Rightarrow (k2_zf_model X0 = k2_tarski (k18_zf_lang X0) (\\
& k19_zf_lang X0))) \wedge (((v3_zf_lang X0) \Rightarrow (k2_zf_model X0 = k2_tarski \\
& (k18_zf_lang X0) (k19_zf_lang X0))) \wedge (((v4_zf_lang X0) \Rightarrow (k2_zf_model \\
& X0 = k2_zf_model (k20_zf_lang X0))) \wedge (((v5_zf_lang X0) \Rightarrow (k2_zf_model \\
& X0 = k4_subset_1 k1_zf_lang (k2_zf_model (k21_zf_lang X0)) (k2_zf_model \\
& (k22_zf_lang X0)))) \wedge (((v6_zf_lang X0) \Rightarrow (k2_zf_model X0 = k7_subset_1 \\
& k1_zf_lang (k2_zf_model (k24_zf_lang X0)) (k1_tarski (k23_zf_lang \\
& X0))))))
\end{aligned} \tag{3}$$

Assume the following.

$$\forall X0. \forall X1.(m2_finseq_1 X1 X0) \Leftrightarrow (m1_finseq_1 X1 X0) \tag{4}$$

Assume the following.

$$\forall X0.((v1_zf_lang X0) \wedge (m1_finseq_1 X0 k5_numbers)) \Rightarrow (v1_zf_lang (k6_zf_lang X0)) \quad (5)$$

Assume the following.

$$\forall X0.(m1_finseq_1 X0 k5_numbers) \Rightarrow (m2_finseq_1 (k6_zf_lang X0) k5_numbers) \quad (6)$$

Theorem 1

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (k2_zf_model (k6_zf_lang X0) = k2_zf_model X0)$$