

t56_zf_lang
(TMdc6XeMpg2AvsqjoAhJwEq66QisbD7P2V)

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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 $v4_zf_lang : \iota \Rightarrow o$ be given. Let $r1_zf_lang : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k20_zf_lang : \iota \Rightarrow \iota$ be given. Let $k6_zf_lang : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\forall X1. \\ & ((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow ((r1_zf_lang \\ & X0 (k6_zf_lang X1)) \Leftrightarrow (X0 = X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((\\ & v4_zf_lang X0) \Rightarrow (\forall X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 \\ & k5_numbers)) \Rightarrow ((X1 = k20_zf_lang X0) \Leftrightarrow (k6_zf_lang X1 = X0)))) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((\\ & v4_zf_lang X0) \Leftrightarrow (\exists X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 \\ & k5_numbers)) \wedge (X0 = k6_zf_lang X1))) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (\forall X1. \\ & ((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow ((v4_zf_lang \\ & X0) \Rightarrow ((r1_zf_lang X1 X0) \Leftrightarrow (X1 = k20_zf_lang X0)))) \end{aligned}$$