

t86_zf_lang (TMLrZpP- GRNt9mUyK8hUasKGqZLQFjZPNX71)

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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 $k29_zf_lang : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k20_zf_lang : \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k6_zf_lang : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow (k29_zf_lang (k6_zf_lang X0) = k2_xboole_0 (k29_zf_lang X0) (k1_tarski (k6_zf_lang X0))) \quad (1)$$

Assume the following.

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((v4_zf_lang X0) \Rightarrow (\forall X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \Rightarrow ((X1 = k20_zf_lang X0) \Leftrightarrow (k6_zf_lang X1 = X0)))) \quad (2)$$

Assume the following.

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((v4_zf_lang X0) \Leftrightarrow (\exists X1.((v1_zf_lang X1) \wedge (m2_finseq_1 X1 k5_numbers)) \wedge (X0 = k6_zf_lang X1))) \quad (3)$$

Theorem 1

$$\forall X0.((v1_zf_lang X0) \wedge (m2_finseq_1 X0 k5_numbers)) \Rightarrow ((v4_zf_lang X0) \Rightarrow (k29_zf_lang X0 = k2_xboole_0 (k29_zf_lang (k20_zf_lang X0)) (k1_tarski X0)))$$