

t6_matrix_9
(TMTX4icPYCSeX6eNxq8945ApQrH23nepeZD)

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Let $k12_matrix_2 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_finseq_2 : \iota \Rightarrow \iota$ be given. Let $k3_finseq_5 : \iota \Rightarrow \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k3_finseq_5 (k10_finseq_1 X0 X1) = k10_finseq_1 X1 X0 \quad (1)$$

Assume the following.

$$k1_finseq_2 np_2 = k10_finseq_1 np_1 np_2 \quad (2)$$

Assume the following.

$$k12_matrix_2 np_2 = k2_tarski (k10_finseq_1 np_1 np_2) (k10_finseq_1 np_2 np_1) \quad (3)$$

Theorem 1

$$k12_matrix_2 np_2 = k2_tarski (k1_finseq_2 np_2) (k3_finseq_5 (k1_finseq_2 np_2))$$