

l2_matrix17

(TMQecJye7s61Pj3i3PbjQPacEkTD5cbsFu5)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4_tarski X0 X1 \in k2_zfmisc_1 X2 X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \quad (1)$$

Assume the following.

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (v7_ordinal1 X1) \Rightarrow ((X1 \in k2_finseq_1 X0) \Rightarrow (k6_xcmplx_0 (k2_xcmplx_0 X0 np_1) X1 \in k2_finseq_1 X0))) \quad (2)$$

Theorem 1

$$\forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. (v7_ordinal1 X1) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow ((k4_tarski X1 X2 \in k2_zfmisc_1 (k2_finseq_1 X0) (k2_finseq_1 X0)) \Rightarrow ((k6_xcmplx_0 (k2_xcmplx_0 X0 np_1) X2 \in k2_finseq_1 X0) \wedge (k6_xcmplx_0 (k2_xcmplx_0 X0 np_1) X1 \in k2_finseq_1 X0))))))$$