l8_matrix17 (TMLgyp9h6iZCyoH7fxgGYDvy9WAt1PJG2q4)

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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 $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $k6\_int\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\forall X2.\ (v7\_ordinal1\ X2) \Rightarrow (((X1 \in k2\_finseq\_1\ X0) \wedge (X2 \in k2\_finseq\_1\ X0)) \Rightarrow ((k2\_xcmplx\_0\ X1\ X2 = k2\_xcmplx\_0\ X0\ np\_\_1) \vee (k6\_int\_1\ (k6\_xcmplx\_0\ (k2\_xcmplx\_0\ X1\ X2)\ np\_\_1)\ X0 \in k2\_finseq\_1\ X0))))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(k4\_tarski\ X0\ X1 \in k2\_zfmisc\_1\ X2\ X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \tag{2}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\forall X2.\ (v7\_ordinal1\ X2) \Rightarrow ((k4\_tarski\ X1\ X2 \in k2\_zfmisc\_1\ (k2\_finseq\_1\ X0)\ (k2\_finseq\_1\ X0)) \Rightarrow ((k2\_xcmplx\_0\ X1\ X2 = k2\_xcmplx\_0\ X0\ np\_\_1) \vee (k6\_int\_1\ (k6\_xcmplx\_0\ (k2\_xcmplx\_0\ X1\ X2)\ np\_\_1)\ X0 \in k2\_finseq\_1\ X0)))))$$