t2_sprect_3 (TMMheUU-uGFXjYLtM8aK7qeErCaRPaBeRXiP)

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Let $k2\_matrix\_1 : \iota \Rightarrow \iota$ be given. Let $k3\_matrix\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_matrix\_1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(k3\_finseq\_1\ (k3\_matrix\_2\ X0\ X1\ X2\ X3) = np\_\_2) \wedge ((k1\_matrix\_1\ (k3\_matrix\_2\ X0\ X1\ X2\ X3) = np\_\_2) \wedge (k2\_matrix\_1\ (k3\_matrix\_2\ X0\ X1\ X2\ X3) = k2\_zfmisc\_1\ (k2\_finseq\_1\ np\_\_2)\ (k2\_finseq\_1\ np\_\_2))) \tag{1}$$

Assume the following.

$$(k2\_finseq\_1\ np\_\_1 = k1\_tarski\ np\_\_1) \wedge (k2\_finseq\_1\ np\_\_2 = k2\_tarski\ np\_\_1\ np\_\_2) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.k2\_zfmisc\_1\ (k2\_tarski\ X0\ X1)\ (k2\_tarski\ X2\ X3) = k2\_enumset1\ (k4\_tarski\ X0\ X2)\ (k4\_tarski\ X0\ X3)\ (k4\_tarski\ X1\ X2)\ (k4\_tarski\ X1\ X3) \tag{3}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.k2\_matrix\_1\ (k3\_matrix\_2\ X0\ X1\ X2\ X3) = k2\_enumset1\ (k4\_tarski\ np\_\_1\ np\_\_1)\ (k4\_tarski\ np\_\_1\ np\_\_2)\ (k4\_tarski\ np\_\_2\ np\_\_1)\ (k4\_tarski\ np\_\_2\ np\_\_2)$$