t2_matrix11 (TMH-huV3QQEnebC41dqyPDijmWnMPVGHnb1L)

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Let $k2\_sgraph1 : \iota \Rightarrow \iota$ be given. Let $k2\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $k1\_tarski : \iota \Rightarrow \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k1\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $v3\_card\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{1}$$

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.

$$\forall X0.k2\_sgraph1\ (k1\_tarski\ X0) = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$k2\_sgraph1\ k1\_xboole\_0 = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (k2\_finseq\_1\ X0 = k1\_finseq\_1\ X0) \tag{5}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v3\_card\_1\ (k1\_finseq\_1\ X0)\ X0) \tag{6}$$

Assume the following.

$$v1\_xboole\_0\ k1\_xboole\_0 \tag{7}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (v7\_ordinal1\ X0) \tag{8}$$

Assume the following.

$$\forall X0.(v3\_card\_1\ X0\ k1\_xboole\_0) \Rightarrow (v1\_xboole\_0\ X0) \tag{9}$$

Theorem 1

$$(k2\_sgraph1\ (k2\_finseq\_1\ k1\_xboole\_0) = k1\_xboole\_0) \wedge (k2\_sgraph1\ (k2\_finseq\_1\ np\_\_1) = k1\_xboole\_0)$$