l11_matrixr2 (TMQWSdFfyXZ-PACH2BaQdUw74KygjPfgq1Vk)

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Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $v1\_matrix\_1 : \iota \Rightarrow o$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_finseq\_2 : \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_matrix\_1 : \iota \Rightarrow \iota$ be given. Let $k3\_matrix\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_matrixr1 : \iota \Rightarrow \iota$ be given. Let $k1\_real\_1 : \iota \Rightarrow \iota$ be given. Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $k4\_ordinal1 : \iota$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow (\forall X2.((v1\_matrix\_1\ X2) \wedge (m2\_finseq\_1\ X2\ (k3\_finseq\_2\ k1\_numbers))) \Rightarrow ((k4\_tarski\ X0\ X1 \in k2\_matrix\_1\ X2) \Rightarrow (k3\_matrix\_1\ k1\_numbers\ (k4\_matrixr1\ X2)\ X0\ X1 = k1\_real\_1\ (k3\_matrix\_1\ k1\_numbers\ X2\ X0\ X1))))) \tag{1}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \tag{3}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow (\forall X2.((v1\_matrix\_1\ X2) \wedge (m2\_finseq\_1\ X2\ (k3\_finseq\_2\ k1\_numbers))) \Rightarrow ((k4\_tarski\ X0\ X1 \in k2\_matrix\_1\ X2) \Rightarrow (k3\_matrix\_1\ k1\_numbers\ (k4\_matrixr1\ X2)\ X0\ X1 = k1\_real\_1\ (k3\_matrix\_1\ k1\_numbers\ X2\ X0\ X1)))))$$