t10_matrixr2 (TMKzV4FnW4vTp4aovQnA6vAtVcV4kofzhXp)

October 27, 2020

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 $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ 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. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_numbers) \Rightarrow (\forall X2.((v1\_matrix\_1\ X2) \wedge (m2\_finseq\_1\ X2\ (k3\_finseq\_2\ k1\_numbers))) \Rightarrow ((k4\_tarski\ X0\ X1 \in k2\_matrix\_1\ X2) \Rightarrow (k3\_matrix\_1\ k1\_numbers\ (k4\_matrixr1\ X2)\ X0\ X1 = k1\_real\_1\ (k3\_matrix\_1\ k1\_numbers\ X2\ X0\ X1))))) \tag{1}$$

Theorem 1

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