t29_matrixc1 (TMWqP36tDpmfPUDDFL3jpUokkGGwq3gDvyh)

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Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_numbers : \iota$ be given. Let $k2\_numbers : \iota$ be given. Let $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np\_\_1 : \iota$ be given. Let $k3\_finseq\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_finsop\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k33\_binop\_2 : \iota$ be given. Let $k27\_binop\_2 : \iota$ be given. Let $k16\_rvsum\_1 : \iota \Rightarrow \iota$ be given. Let $m1\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k17\_rvsum\_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m2\_finseq\_1\ X0\ k1\_numbers) \Rightarrow (k16\_rvsum\_1\ X0 = k1\_finsop\_1\ k1\_numbers\ X0\ k33\_binop\_2) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m2\_finseq\_1\ X1\ X0) \Leftrightarrow (m1\_finseq\_1\ X1\ X0) \tag{2}$$

Assume the following.

$$\forall X0.(m1\_finseq\_1\ X0\ k2\_numbers) \Rightarrow (k17\_rvsum\_1\ X0 = k16\_rvsum\_1\ X0) \tag{3}$$

Assume the following.

$$\forall X0.(m2\_finseq\_1\ X0\ k2\_numbers) \Rightarrow (k17\_rvsum\_1\ X0 = k1\_finsop\_1\ k2\_numbers\ X0\ k27\_binop\_2) \tag{4}$$

Theorem 1

$$\forall X0.(m2\_finseq\_1\ X0\ k1\_numbers) \Rightarrow (\forall X1.(m2\_finseq\_1\ X1\ k2\_numbers) \Rightarrow (((X0 = X1) \wedge (r1\_xxreal\_0\ np\_\_1\ (k3\_finseq\_1\ X0))) \Rightarrow (k1\_finsop\_1\ k1\_numbers\ X0\ k33\_binop\_2 = k1\_finsop\_1\ k2\_numbers\ X1\ k27\_binop\_2)))$$