

t30_matrixc1 (TMF- BpE3dMASMKrdec2atoXjDUrHfVkJbGoc)

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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 $k18_rvsum_1 : \iota \Rightarrow \iota$ be given. Let $k17_rvsum_1 : \iota \Rightarrow \iota$ 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. Assume the following.

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow (\forall X1.(m2_finseq_1 \\ & X1 k2_numbers) \Rightarrow (((X0 = X1) \wedge (r1_xxreal_0 np_1 (k3_finseq_1 X0))) \Rightarrow \\ & (k1_finsop_1 k1_numbers X0 k33_binop_2 = k1_finsop_1 k2_numbers \\ & X1 k27_binop_2))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow (k18_rvsum_1 X0 = k1_finsop_1 k1_numbers X0 k33_binop_2) \tag{2}$$

Assume the following.

$$\forall X0.(m2_finseq_1 X0 k2_numbers) \Rightarrow (k17_rvsum_1 X0 = k1_finsop_1 k2_numbers X0 k27_binop_2) \tag{3}$$

Theorem 1

$$\begin{aligned} & \forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow (\forall X1.(m2_finseq_1 \\ & X1 k2_numbers) \Rightarrow (((X0 = X1) \wedge (r1_xxreal_0 np_1 (k3_finseq_1 X0))) \Rightarrow \\ & (k18_rvsum_1 X0 = k17_rvsum_1 X1))) \end{aligned}$$