

t4_matrix15 (TMcdgC- SLdby155rNGfm79m8eWaRCmvp8tmG)

October 27, 2020

Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $l3_algstr_0 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_fvsum_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l3_algstr_0 X0)) \Rightarrow (\forall X1. \\ & (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2.(m2_finseq_1 X2 \\ & (u1_struct_0 X0)) \Rightarrow (\forall X3.(m2_finseq_1 X3 (u1_struct_0 X0)) \Rightarrow \\ & (k9_fvsum_1 X0 (k8_finseq_1 (u1_struct_0 X0) X2 X3) X1 = k8_finseq_1 \\ & (u1_struct_0 X0) (k9_fvsum_1 X0 X2 X1) (k9_fvsum_1 X0 X3 X1)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.((\neg v2_struct_0 X0) \wedge (l3_algstr_0 X0)) \Rightarrow (\forall X1. \\ & (m2_finseq_1 X1 (u1_struct_0 X0)) \Rightarrow (\forall X2.(m2_finseq_1 X2 \\ & (u1_struct_0 X0)) \Rightarrow (\forall X3.(m1_subset_1 X3 (u1_struct_0 X0)) \Rightarrow \\ & (k9_fvsum_1 X0 (k8_finseq_1 (u1_struct_0 X0) X1 X2) X3 = k8_finseq_1 \\ & (u1_struct_0 X0) (k9_fvsum_1 X0 X1 X3) (k9_fvsum_1 X0 X2 X3)))))) \end{aligned}$$