

t5_matrix_5 (TMFwghwDnenr- CBGDR9n6Jx9UpsLdZ2KTsCM)

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 $k2_numbers : \iota$ be given. Let $k2_matrix_5 : \iota \Rightarrow \iota$ be given. Let $k1_matrix_5 : \iota \Rightarrow \iota$ be given. Let $m1_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_complfld : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m2_finseq_1 X1 X0) \Leftrightarrow (m1_finseq_1 X1 X0) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. ((v1_matrix_1 X0) \wedge (m1_finseq_1 X0 (k3_finseq_2 k2_numbers))) \Rightarrow \\ ((v1_matrix_1 (k1_matrix_5 X0)) \wedge (m2_finseq_1 (k1_matrix_5 X0) \\ (k3_finseq_2 (u1_struct_0 k1_complfld)))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. ((v1_matrix_1 X0) \wedge (m2_finseq_1 X0 (k3_finseq_2 (u1_struct_0 k1_complfld)))) \Rightarrow (k2_matrix_5 X0 = X0) \quad (3)$$

Assume the following.

$$\forall X0. ((v1_matrix_1 X0) \wedge (m2_finseq_1 X0 (k3_finseq_2 k2_numbers))) \Rightarrow (k1_matrix_5 X0 = X0) \quad (4)$$

Theorem 1

$$\forall X0. ((v1_matrix_1 X0) \wedge (m2_finseq_1 X0 (k3_finseq_2 k2_numbers))) \Rightarrow (X0 = k2_matrix_5 (k1_matrix_5 X0))$$