

t17_matrixc1
(TMKK3rRnJPTcVfAuLuYgHS9Bz8FZiGzACYt)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_numbers : \iota$ be given. 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 $k1_matrixc1 : \iota \Rightarrow \iota$ be given. Let $k7_matrixc1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_matrix_5 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15_complex1 : \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.((v1_matrix_1 X1) \wedge (m2_finseq_1 X1 (k3_finseq_2 k2_numbers))) \Rightarrow (k1_matrixc1 (k7_matrix_5 X0 X1) = k7_matrix_5 (k15_complex1 X0) (k1_matrixc1 X1))) \quad (1)$$

Assume the following.

$$\forall X0.((v1_matrix_1 X0) \wedge (m2_finseq_1 X0 (k3_finseq_2 k2_numbers))) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow (k7_matrixc1 X0 X1 = k7_matrix_5 X1 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (v1_xcmplx_0 X0) \quad (3)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (\forall X1.((v1_matrix_1 X1) \wedge (m2_finseq_1 X1 (k3_finseq_2 k2_numbers))) \Rightarrow (k1_matrixc1 (k7_matrixc1 X1 X0) = k7_matrix_5 (k15_complex1 X0) (k1_matrixc1 X1)))$$