

t16_compos_1
 (TMJgKep2rGzHxRSHHSFTxtCLx6hWfjBHw8k)

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Let $l1_compos_1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v5_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_compos_1 : \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k5_compos_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((l1_compos_1 X0) \wedge ((v1_relat_1 X1) \wedge ((\\ & \quad v4_relat_1 X1 k5_numbers) \wedge ((v5_relat_1 X1 (u1_compos_1 X0)) \wedge \\ & ((v1_funct_1 X1) \wedge (v1_finset_1 X1)))))) \Rightarrow (k5_compos_1 X0 X1 k6_numbers = \\ & \quad X1) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. (l1_compos_1 X0) \Rightarrow (\forall X1. ((v1_relat_1 X1) \wedge ((\\ & \quad v4_relat_1 X1 k5_numbers) \wedge ((v5_relat_1 X1 (u1_compos_1 X0)) \wedge \\ & ((v1_funct_1 X1) \wedge (v1_finset_1 X1)))))) \Rightarrow (k5_compos_1 X0 X1 k6_numbers = \\ & \quad X1)) \end{aligned}$$