

t63_afinsq_2

(TMYsz85ggmBm7ukzutxE7DsJcE2s8EymoCm)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v5_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_valued_0 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k24_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge (v1_valued_0 \\ X1))) \Rightarrow (\forall X2. (v1_xcmplx_0 X2) \Rightarrow (k5_relat_1 (k24_valued_1 \\ X1 X2) X0 = k24_valued_1 (k5_relat_1 X1 X0) X2)) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0. (v7_ordinal1 X0) \Rightarrow (\forall X1. ((v1_relat_1 X1) \wedge ((\\ v1_funct_1 X1) \wedge ((v5_ordinal1 X1) \wedge ((v1_valued_0 X1) \wedge (v1_finset_1 \\ X1)))))) \Rightarrow (\forall X2. (v1_xcmplx_0 X2) \Rightarrow (k24_valued_1 (k5_relat_1 \\ X1 X0) X2 = k5_relat_1 (k24_valued_1 X1 X2) X0)) \end{aligned}$$