

t17_exchsort
(TMaCSrerf5FrYZ84444pkGoxW2nMR8BgGLU)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v3_exchsort : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_exchsort : \iota \Rightarrow \iota$ be given. Let $k3_ordinal2 : \iota \Rightarrow \iota$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (k2_exchsort X0 = k3_ordinal2 (k9_xtuple_0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (v3_exchsort X0 (k3_ordinal2 (k9_xtuple_0 X0))) \quad (2)$$

Theorem 1

$$\forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (v3_exchsort X0 (k2_exchsort X0))$$