

t52_relat_1

(TMQ5baQeqZVUXqUHVSOvHALGrE6AQVPsxiv)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_relat_1 : \iota \Rightarrow \iota$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((r1_tarski (k9_xtuple_0 X1) X0) \Rightarrow (k3_relat_1 (k4_relat_1 X0) X1 = X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (2)$$

Theorem 1

$$\forall X0. (v1_relat_1 X0) \Rightarrow (k3_relat_1 (k4_relat_1 (k9_xtuple_0 X0)) X0 = X0)$$