

t125_relat_1 (TMQ-
MUYeXwnD7FBGdtC7nAhcW8WPWjFG2gZ9)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow (\forall X2. (v1_relat_1 X2) \Rightarrow ((r1_tarski X1 X2) \Rightarrow (r1_tarski (k7_relat_1 X1 X0) (k7_relat_1 X2 X0)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (r1_tarski (k7_relat_1 X2 X0) (k7_relat_1 X2 X1))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow (\forall X3. (v1_relat_1 X3) \Rightarrow (((r1_tarski X2 X3) \wedge (r1_tarski X0 X1)) \Rightarrow (r1_tarski (k7_relat_1 X2 X0) (k7_relat_1 X3 X1))))$$