

t3_integra6
(TMXJkf3sSws2pQUgoVVtZquPKkSfeeV2Tm5)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1_relat_1 X2) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (k5_relat_1 (k5_relat_1 X2 X1) X0 = k5_relat_1 X2 X0)) \quad (1)$$

Theorem 1

$$\forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. \forall X2. \forall X3. ((r1_tarski X1 X2) \wedge (r1_tarski X1 X3)) \Rightarrow (k5_relat_1 (k5_relat_1 X0 X2) X1 = k5_relat_1 (k5_relat_1 X0 X3) X1))$$