

t114_relat_1 (TM-
PCi8xcH2Ng28q2GXSUUWhdpKZBYjffN9d)

October 27, 2020

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. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_relat_1 X0) \Rightarrow (k7_relat_1 X0 (k9_xtuple_0 X0) = k10_xtuple_0 X0) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(v1_relat_1 X1) \Rightarrow (r1_tarski (k7_relat_1 X1 X0) (k10_xtuple_0 X1)) \quad (2)$$

Theorem 1

$$\forall X0.\forall X1.(v1_relat_1 X1) \Rightarrow (r1_tarski (k7_relat_1 X1 X0) (k7_relat_1 X1 (k9_xtuple_0 X1)))$$