

t16_funct_5 (TM-
NCC6sYVdhVGzpA2qH1G41YsuCWejaSgvD)

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Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. ((k9_xtuple_0 X0 = k1_xboole_0) \vee (k10_xtuple_0 X0 = k1_xboole_0)) \Rightarrow (\forall X1. \forall X2. \neg k4_tarski X1 X2 \in X0) \quad (1)$$

Assume the following.

$$\forall X0. (\forall X1. \forall X2. \neg k4_tarski X1 X2 \in X0) \Rightarrow ((k9_xtuple_0 X0 = k1_xboole_0) \wedge (k10_xtuple_0 X0 = k1_xboole_0)) \quad (2)$$

Theorem 1

$$\forall X0. (k9_xtuple_0 X0 = k1_xboole_0) \Leftrightarrow (k10_xtuple_0 X0 = k1_xboole_0)$$