

t15_funct_5
(TMZKb4R9hAp6gJMb87hYc21AeU4FeUwHr7G)

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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. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \tag{1}$$

Assume the following.

$$\forall X0. (v1_xboole_0 \ X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k10_xtuple_0 \ X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (\exists X3. k4_tarski \ X3 \ X2 \in X0)) \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k9_xtuple_0 \ X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (\exists X3. k4_tarski \ X2 \ X3 \in X0)) \tag{4}$$

Theorem 1

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