

l31_cfuncdom (TM-
cpT9QMEKiJYJQZhxDgsxuRKH5nPkRzpQv)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. k2_xboole_0 (k2_tarski X0 X1) \quad (1)$$
$$X2 \neq k1_xboole_0$$

Assume the following.

$$\forall X0. \forall X1. \neg v1_xboole_0 (k2_tarski X0 X1) \quad (2)$$

Theorem 1

$$\exists X0. (\neg v1_xboole_0 X0) \wedge (\exists X1. \exists X2. (X0 = k2_tarski X1 X2) \wedge (X1 \neq X2))$$