

t8_taxonom2
(TMJ9xdkRzM5RH3TeAX2qfowWX9RNWrJ6uN1)

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Let $v4_taxonom2 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

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

Assume the following.

$$\forall X0.(v4_taxonom2 \ X0) \Leftrightarrow (\forall X1.\forall X2.((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow ((X1 = X2) \vee (r1_xboole_0 \ X1 \ X2))) \tag{2}$$

Assume the following.

$$\forall X0.(v1_xboole_0 \ X0) \Leftrightarrow (\forall X1.\neg X1 \in X0) \tag{3}$$

Theorem 1 $v4_taxonom2 \ k1_xboole_0$.