

t11_ospace
(TMVqLZLBgtBUysj7x1S7rPmHvUiQhDCxyLv)

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Let $k3_ospace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_ospace : \iota$ be given. Let $k5_struct_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $np_0 : \iota$ be given. Assume the following.

$$k5_struct_0\ k2_ospace = np_1 \tag{1}$$

Assume the following.

$$\forall X0.(v1_xboole_0\ X0) \Rightarrow (X0 = k1_xboole_0) \tag{2}$$

Assume the following.

$$k4_struct_0\ k2_ospace = k1_xboole_0 \tag{3}$$

Assume the following.

$$v1_xboole_0\ np_0 \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.((X1 \in X0) \Rightarrow (k3_ospace\ X0\ X1 = k5_struct_0\ k2_ospace)) \wedge ((\neg X1 \in X0) \Rightarrow (k3_ospace\ X0\ X1 = k4_struct_0\ k2_ospace)) \tag{5}$$

Theorem 1

$$\forall X0.\forall X1.(k3_ospace\ X0\ X1 \neq k4_struct_0\ k2_ospace) \Leftrightarrow (k3_ospace\ X0\ X1 = k5_struct_0\ k2_ospace)$$