

t16_ospace
(TMMKR7aebAi5q4uDcrCS1dctBJzqS6GFuuF)

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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 $k1_xboole_0 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k5_struct_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$k4_struct_0 \ k2_ospace = k1_xboole_0 \tag{1}$$

Assume the following.

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

Assume the following.

$$\forall X0. \forall X1. (k3_ospace \ X0 \ X1 = k4_struct_0 \ k2_ospace) \Leftrightarrow (\neg X1 \in X0) \tag{3}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{4}$$

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

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow (\forall X2. k3_ospace \ X0 \ X2 = k3_ospace \ X1 \ X2)$$