

t8_ospace
(TMQ5WJpYnXjCfTpKf66adZsNapQQAjAyZ8r)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_ospace : \iota$ be given. Let $k4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_struct_0 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

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

Assume the following.

$$k4_struct_0 \ k2_ospace = k1_xboole_0 \tag{2}$$

Assume the following.

$$\forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \ k2_ospace)) \Rightarrow ((X0 = k1_xboole_0) \vee (X0 = np_1)) \tag{3}$$

Assume the following.

$$\neg v1_xboole_0 \ np_1 \tag{4}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{5}$$

Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \tag{6}$$

Theorem 1

$$\forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \ k2_ospace)) \Rightarrow ((X0 = k4_struct_0 \ k2_ospace) \Leftrightarrow (X0 \neq k5_struct_0 \ k2_ospace))$$