

t5_compos_1 (TMW- BENW5NpJiLL3af42ihHk7mj8xBQMUNQn)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_compos_1 : \iota \Rightarrow \iota$ be given. Let $k1_compos_1 : \iota$ be given. Let $k5_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k3_xtuple_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $v1_compos_1 : \iota \Rightarrow o$ be given. Let $l1_compos_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 X1) \Rightarrow ((v1_xboole_0 X1) \vee (X0 \in X1)) \quad (1)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k5_xtuple_0 (k3_xtuple_0 X0 X1 X2) = X1 \quad (3)$$

Assume the following.

$$\forall X0. \neg v1_xboole_0 (k1_tarski X0) \quad (4)$$

Assume the following.

$$(v1_compos_1 k1_compos_1) \wedge (l1_compos_1 k1_compos_1) \quad (5)$$

Assume the following.

$$\forall X0. ((v1_compos_1 X0) \wedge (l1_compos_1 X0)) \Rightarrow ((X0 = k1_compos_1) \Leftrightarrow (u1_compos_1 X0 = k1_tarski (k3_xtuple_0 k6_numbers k1_xboole_0 k1_xboole_0))) \quad (6)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (7)$$

Theorem 1

$$\forall X0. (m1_subset_1 X0 (u1_compos_1 k1_compos_1)) \Rightarrow (k5_xtuple_0 X0 = k6_numbers)$$