

t3_arytm_0
(TMXnmeL5wUDB5xe7gQb9c88rRy3nEvFxy8P)

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Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k11_arytm_3 : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_arytm_2 : \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. k6_subset_1 X0 X1 = k4_xboole_0 X0 X1 \quad (1)$$

Assume the following.

$$k11_arytm_3 = k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k4_xboole_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \wedge (\neg X3 \in X1))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (4)$$

Assume the following.

$$k1_numbers = k6_subset_1 (k2_xboole_0 k2_arytm_2 (k2_zfmisc_1 (k1_tarski k1_xboole_0) k2_arytm_2)) (k1_tarski (k4_tarski k1_xboole_0 k1_xboole_0)) \quad (5)$$

Theorem 1 $\forall X0. \neg(k4_tarski k11_arytm_3 X0 \in k1_numbers) \wedge (X0 = k11_arytm_3)$.