

t11_sgraph1 (TMHxBrtvxaWJgt3qk34K1BenfFa6fLDg5wz)

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Let $k2_sgraph1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (X1 \in k2_sgraph1 X0) \Leftrightarrow & (((v1_finset_1 X1) \wedge \\ & (m1_subset_1 X1 (k1_zfmisc_1 X0))) \wedge (\exists X2. \exists X3. (X2 \in \\ X0) \wedge ((X3 \in X0) \wedge ((X2 \neq X3) \wedge (X1 = k2_tarski X2 X3)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \neg (X0 \neq k1_xboole_0) \wedge (\forall X1. \neg X1 \in X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (3)$$

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (4)$$

Assume the following.

$$\begin{aligned} \forall X0. k2_sgraph1 X0 = ReplSep (toset (\lambda X1 : \iota. (v1_finset_1 \\ X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X0)))) (\lambda X1 : \iota. k5_card_1 \\ X1 = np_2) (\lambda X1 : \iota. X1) \end{aligned} \quad (5)$$

Theorem 1 $k2_sgraph1 k1_xboole_0 = k1_xboole_0$.