

t32_numbers
(TMLFLEnKD8Ynorbqt6wUNjtZqefNpUEqyGV)

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Let $k1_numbers : \iota$ be given. Let $k7_numbers : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$k7_numbers = k2_xboole_0 \ k1_numbers \ (k2_tarski \ k1_numbers \ (k4_tarski \ k6_numbers \ k1_numbers)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_xboole_0 \ X0 \ X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \vee (X3 \in X1))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_tarski \ X0 \ X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (4)$$

Theorem 1 $k1_numbers \neq k7_numbers$.