

l15_yellow21 (TMYdTkZfoPuEFB- wYJ3dY9jxsqphCvqSkWPz)

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Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 (k2_xboole_0 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X1 \in X0) \Rightarrow (k2_xboole_0 (k6_subset_1 X0 (k1_tarski X1)) (k1_tarski X1) = X0) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. k2_xboole_0 X0 X1 = k2_xboole_0 X1 X0 \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. (X0 \in X1) \Leftrightarrow (X1 = k2_xboole_0 (k6_subset_1 X1 (k1_tarski X0)) (k1_tarski X0))$$