

l15_zfmisc_1

(TMN5x3WDqM5nBzsW8PbPYJjirtJHPB6DeWS)

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

$$\forall X0. \forall X1. \forall X2. (r1_tarski (k2_xboole_0 X0 X1) X2) \Rightarrow (r1_tarski X0 X2) \quad (1)$$

Assume the following.

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

Theorem 1

$$\forall X0. \forall X1. (r1_tarski (k2_xboole_0 (k1_tarski X0) X1) X1) \Rightarrow (X0 \in X1)$$