

t19\_zfmisc\_1

(TMUm1N6j3REf6PczMWpsByxsdJMo6LzUwid)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski (k1\_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k2\_tarski X0 X1 = k2\_tarski X1 X0 \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. \neg (r1\_tarski (k1\_tarski X0) (k2\_tarski X1 X2)) \wedge ((X0 \neq X1) \wedge (X0 \neq X2))$$