

t95\_zfmisc\_1

(TMdnT8YhmxzuSJqr3bZvgCBGMLhvmLWwsrK)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_zfmisc\_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (\exists X4. \exists X5. (X4 \in X0) \wedge ((X5 \in X1) \wedge (X3 = k4\_tarski X4 X5)))) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. (r1\_tarski X0 X1) \Rightarrow ((r1\_tarski (k2\_zfmisc\_1 X0 X2) (k2\_zfmisc\_1 X1 X2)) \wedge (r1\_tarski (k2\_zfmisc\_1 X2 X0) (k2\_zfmisc\_1 X2 X1)))$$