

t129\_zfmisc\_1

(TMUTzR3B7WYLBskakWWRssgndjQeJJ1X4az)

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Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. \neg (r1\_tarski X0 (k2\_zfmisc\_1 X1 X2)) \wedge ((X3 \in X0) \wedge (\forall X4. \forall X5. \neg (X4 \in X1) \wedge ((X5 \in X2) \wedge (X3 = k4\_tarski X4 X5)))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1\_tarski X0 X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k4\_tarski X0 X1 = k2\_tarski (k2\_tarski X0 X1) (k1\_tarski X0) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2\_tarski X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 = X0) \vee (X3 = X1))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. k2\_tarski X0 X1 = k2\_tarski X1 X0 \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (\neg X1 \in X0) \quad (6)$$

**Theorem 1**

$$\forall X0. \forall X1. \neg (X0 \in k2\_zfmisc\_1 X1 X0) \wedge (\forall X2. \neg (X2 \in X1) \wedge (X0 = k4\_tarski X2 (k1\_tarski X2)))$$