

t52\_zfmisc\_1

(TMFKttqvoxxjvvRi3pCP3guf3m8GpJtJfXaR)

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Let  $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (k3\_xboole\_0 X1 (k1\_tarski X0) = k1\_tarski X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (\neg X0 \in X1) \Rightarrow (r1\_xboole\_0 (k1\_tarski X0) X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k3\_xboole\_0 X0 X1 = k3\_xboole\_0 X1 X0 \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. (r1\_xboole\_0 (k1\_tarski X0) X1) \vee (k3\_xboole\_0 (k1\_tarski X0) X1 = k1\_tarski X0)$$