

t13\_member\_1  
(TML6Saie3Q8EmQ5SVwz6ehjh23QtfRz3ysx)

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Let  $v1\_membered : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_member\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_membered X0) \Rightarrow (\forall X1.(v1\_membered X1) \Rightarrow ((r1\_tarski X0 X1) \Rightarrow (r1\_tarski (k5\_member\_1 X0) (k5\_member\_1 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_membered X0) \Rightarrow (k5\_member\_1 (k5\_member\_1 X0) = X0) \quad (2)$$

Assume the following.

$$\forall X0.(v1\_membered X0) \Rightarrow (v1\_membered (k5\_member\_1 X0)) \quad (3)$$

**Theorem 1**

$$\forall X0.(v1\_membered X0) \Rightarrow (\forall X1.(v1\_membered X1) \Rightarrow ((r1\_tarski X0 X1) \Leftrightarrow (r1\_tarski (k5\_member\_1 X0) (k5\_member\_1 X1))))$$