

t13\_membered (TMY-  
HAbF9eq6DjMcdmn1C3hMU8QhwJDFvwrM)

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Let  $v1\_membered : \iota \Rightarrow o$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k2\_numbers : \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_membered X0) \Rightarrow (r1\_tarski X0 k2\_numbers) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Leftrightarrow (X0 \in k2\_numbers) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X0)) \quad (4)$$

**Theorem 1**

$$\forall X0.(v1\_membered X0) \Rightarrow ((\forall X1.(v1\_xcmplx\_0 X1) \Rightarrow (X1 \in X0)) \Rightarrow (X0 = k2\_numbers))$$