t4_membered (TMZMCDz9n1u7PtfHeyng17bLonWaATvCabr)

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Let $v4\_membered : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3\_numbers : \iota$ be given. Let $v1\_rat\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v4\_membered\ X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow (v1\_rat\_1\ X1)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_rat\_1\ X0) \Leftrightarrow (X0 \in k3\_numbers) \tag{3}$$

Theorem 1 $\forall X0.(v4\_membered\ X0) \Rightarrow (r1\_tarski\ X0\ k3\_numbers)$.