

t22_membered (TMRvU-
JQvxr4LjaFYptXuGu5XA4Hw5WNyuKv)

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Let $v4_membered : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_rat_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v4_membered X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow (v1_rat_1 X1)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Theorem 1

$$\forall X0.\forall X1.(v4_membered X1) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (v4_membered X0))$$