

t31_membered
(TMM9gQgBeFmCJBjqsYHmUP8uBdemoNkvGMG)

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Let $v1_membered : \iota \Rightarrow o$ be given. Let $k1_setfam_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (r1_tarski (k1_setfam_1 X1) X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1_membered X1) \Rightarrow ((r1_tarski X0 X1) \Rightarrow (v1_membered X0)) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. ((X1 \in X0) \wedge (v1_membered X1)) \Rightarrow (v1_membered (k1_setfam_1 X0))$$