t3_simplex0 (TMWhWy2vimsdUSwzUNnUvExFE5fmgLBLqg3)

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Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_classes1 : \iota \Rightarrow o$ be given. Let $k1\_simplex0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.v1\_classes1\ (k1\_simplex0\ X0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_classes1\ X1) \Rightarrow ((X1 = k1\_simplex0\ X0) \Leftrightarrow ((r1\_tarski\ X0\ X1) \wedge (\forall X2.((r1\_tarski\ X0\ X2) \wedge (v1\_classes1\ X2)) \Rightarrow (r1\_tarski\ X1\ X2)))) \tag{2}$$

Theorem 1

$$\forall X0.\forall X1.((r1\_tarski\ X0\ X1) \wedge (v1\_classes1\ X1)) \Rightarrow (r1\_tarski\ (k1\_simplex0\ X0)\ X1)$$