

t7_simplex0
(TMLmvxeeRUgYdMjUXNAf46zeEmrjrr2NdDe)

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Let $v1_classes1 : \iota \Rightarrow o$ be given. Let $k1_simplex0 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 X0 \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (v1_classes1 X1) \Rightarrow ((X1 = k1_simplex0 X0) \Leftrightarrow \\ ((r1_tarski X0 X1) \wedge (\forall X2. ((r1_tarski X0 X2) \wedge (v1_classes1 \\ X2)) \Rightarrow (r1_tarski X1 X2)))) \end{aligned} \tag{2}$$

Theorem 1 $\forall X0. (v1_classes1 X0) \Rightarrow (k1_simplex0 X0 = X0)$.