

l28_simplex0

(TMVmw1CwgTiiadggnUihUS6FKtHyNmxDVqF)

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Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v3_pre_topc : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_simplex0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (l1_pre_topc X1) \Rightarrow (\forall X2. (m1_subset_1 \\ X2 (k1_zfmisc_1 (u1_struct_0 X1))) \Rightarrow (((v3_pre_topc X2 X1) \wedge (X0 \in \\ X2)) \Rightarrow (X0 \in k4_simplex0 X1))) \end{aligned} \quad (1)$$

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

$$\begin{aligned} \forall X0. (l1_pre_topc X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (k1_zfmisc_1 \\ (u1_struct_0 X0))) \Rightarrow ((v3_pre_topc X1 X0) \Rightarrow (r1_tarski X1 (k4_simplex0 \\ X0)))) \end{aligned}$$