

t5_simplex0
(TMTqbHZZ8XS9N1sXcJNna6vEDXuJjiKYoah)

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Let $k1_simplex0 : \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in k1_simplex0 X1) \Leftrightarrow (\exists X2. (r1_tarski X0 X2) \wedge (X2 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (X2 = k2_xboole_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((X3 \in X0) \vee (X3 \in X1))) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. k1_simplex0 (k2_xboole_0 X0 X1) = k2_xboole_0 (k1_simplex0 X0) (k1_simplex0 X1)$$