

t8_zfmisc_1

(TMW6FqxcS7NxEmXj2sEfcTmeaUfgkHp4esT)

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Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (k1_tarski X0 = k2_tarski X1 X2) \Rightarrow (X1 = X2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2_tarski X0 X1 = k2_xboole_0 (k1_tarski X0) (k1_tarski X1) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. (k2_xboole_0 (k1_tarski X0) (k1_tarski X1) = k1_tarski X0) \Rightarrow (X0 = X1)$$