

t32_classes1 (TMQEn-
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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_classes1 : \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k9_setfam.1 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k2_xboole.0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (k4_classes1 (k1_ordinal1 X0) = k9_setfam.1 (k4_classes1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.k9_setfam.1 X0 = k1_zfmisc.1 X0 \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1_zfmisc.1 X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (r1_tarski X2 X0)) \quad (3)$$

Assume the following.

$$\forall X0.k1_ordinal1 X0 = k2_xboole.0 X0 (k1_tarski X0) \quad (4)$$

Theorem 1

$$\forall X0.\forall X1.(v3_ordinal1 X1) \Rightarrow ((r1_tarski X0 (k4_classes1 X1)) \Leftrightarrow (X0 \in k4_classes1 (k1_ordinal1 X1)))$$