

t44_classes1
(TMN5SpFwciZNjYhjKCa8HnwS6yy5XPuN22U)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_classes1 : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski (k2_tarski X0 X1) X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v3_ordinal1 X1) \Rightarrow ((r1_tarski X0 (k4_classes1 X1)) \Leftrightarrow (X0 \in k4_classes1 (k1_ordinal1 X1))) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (v3_ordinal1 X2) \Rightarrow (((X0 \in k4_classes1 X2) \wedge (X1 \in k4_classes1 X2)) \Leftrightarrow (k2_tarski X0 X1 \in k4_classes1 (k1_ordinal1 X2)))$$