t28_classes1 (TMULquYB-MyFJsxS7DZ54bQQqVLpKYiEnXSx)

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Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_classes1 : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.((X1 \in k1\_classes1\ X0) \wedge (X2 \in k1\_classes1\ X0)) \Rightarrow (k4\_tarski\ X1\ X2 \in k1\_classes1\ X0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(k4\_tarski\ X0\ X1 \in k2\_zfmisc\_1\ X2\ X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.v1\_relat\_1\ (k2\_zfmisc\_1\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow (\forall X1.(r1\_tarski\ X0\ X1) \Leftrightarrow (\forall X2.\forall X3.(k4\_tarski\ X2\ X3 \in X0) \Rightarrow (k4\_tarski\ X2\ X3 \in X1))) \tag{5}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.((r1\_tarski\ X0\ (k1\_classes1\ X1)) \wedge (r1\_tarski\ X2\ (k1\_classes1\ X1))) \Rightarrow (r1\_tarski\ (k2\_zfmisc\_1\ X0\ X2)\ (k1\_classes1\ X1))$$