

t11\_classes1 (TM-  
MuM3hRtdToeWwYL42WEfuaSrB8ajL8DYZ)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_classes1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_ordinal1 : \iota \Rightarrow \iota$  be given. Let  $k1\_classes1 : \iota \Rightarrow \iota$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (v3\_ordinal1 X2) \Rightarrow ((X0 \in k3\_classes1 \\ & X1 (k1\_ordinal1 X2)) \Leftrightarrow (\neg(\neg(r1\_tarski X0 (k3\_classes1 X1 X2))) \wedge ( \\ & X0 \in k1\_classes1 X1)) \wedge (\forall X3. \neg(X3 \in k3\_classes1 X1 X2) \wedge ((r1\_tarski \\ & X0 X3) \vee (X0 = k9\_setfam\_1 X3)))))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. (v3\_ordinal1 X3) \Rightarrow \\ & (((r1\_tarski X0 X1) \wedge (X1 \in k3\_classes1 X2 X3)) \Rightarrow (X0 \in k3\_classes1 \\ & X2 (k1\_ordinal1 X3))) \end{aligned}$$