

t12_setfam_1
(TMFcFc2k1uJjSb8SSX33TK6gU8KkEhdnkse)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_setfam_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 X0 \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. (r1_setfam_1 X0 X1) \Leftrightarrow (\forall X2. \neg(X2 \in X0) \wedge (\forall X3. \neg(X3 \in X1) \wedge (r1_tarski X2 X3))) \tag{3}$$

Theorem 1 $\forall X0. \forall X1. (r1_tarski X0 X1) \Rightarrow (r1_setfam_1 X0 X1).$