

t2_sprect_1 (TMVmc-
tRk5JvcxFEJ4bCNJD12Cg8pLtwjPNK)

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Let $v3_funct_1 : \iota \Rightarrow o$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_zfmisc_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_zfmisc_1 X0)) \Rightarrow (\exists X1. (m1_subset_1 X1 X0) \wedge (X0 = k1_tarski X1)) \quad (1)$$

Assume the following.

$$\forall X0. k2_tarski X0 X0 = k1_tarski X0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (k1_tarski X0 = k2_tarski X1 X2) \Rightarrow (X1 = X2) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. k10_xtuple_0 (k10_finseq_1 X0 X1) = k2_tarski X0 X1 \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 (k10_finseq_1 X0 X1)) \wedge (v1_funct_1 (k10_finseq_1 X0 X1)) \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. \neg v1_xboole_0 (k2_tarski X0 X1) \quad (6)$$

Assume the following.

$$\forall X0. ((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v3_funct_1 X0))) \Rightarrow (v1_zfmisc_1 (k10_xtuple_0 X0)) \quad (7)$$

Theorem 1 $\forall X0. \forall X1. (v3_funct_1 (k10_finseq_1 X0 X1)) \Rightarrow (X0 = X1).$