

t12_hilbert1 (TMF-
CuT3dszrLBdYZN2YXDZ2YKNKiBC7Er66)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_hilbert1 : \iota$ be given. Let $v6_hilbert1 : \iota \Rightarrow o$ be given. Let $k5_hilbert1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_hilbert1)) \Rightarrow (r1_tarski X0 (k5_hilbert1 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_hilbert1)) \Rightarrow (\forall X1. (m1_subset_1 X1 (k1_zfmisc_1 k1_hilbert1)) \Rightarrow (((v6_hilbert1 X0) \wedge (r1_tarski X1 X0)) \Rightarrow (r1_tarski (k5_hilbert1 X1) X0))) \quad (2)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_hilbert1)) \Rightarrow (v6_hilbert1 (k5_hilbert1 X0)) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (4)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 (k1_zfmisc_1 k1_hilbert1)) \Rightarrow ((v6_hilbert1 X0) \Leftrightarrow (k5_hilbert1 X0 = X0))$$