t13_hilbert1 (TMG-PNv48gu3cdtErPmAZD6iYmAtxaDY4zSM)

October 27, 2020

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 $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6\_hilbert1 : \iota$ be given. Let $k5\_hilbert1 : \iota \Rightarrow \iota$ be given. Let $k1\_subset\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_hilbert1)) \Rightarrow (\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ k1\_hilbert1)) \Rightarrow (((v6\_hilbert1\ X0) \wedge (r1\_tarski\ X1\ X0)) \Rightarrow (r1\_tarski\ (k5\_hilbert1\ X1)\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.m1\_subset\_1\ (k1\_subset\_1\ X0)\ (k1\_zfmisc\_1\ X0) \tag{3}$$

Assume the following.

$$\forall X0.k1\_subset\_1\ X0 = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$k6\_hilbert1 = k5\_hilbert1\ (k1\_subset\_1\ k1\_hilbert1) \tag{5}$$

Theorem 1

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_hilbert1)) \Rightarrow ((v6\_hilbert1\ X0) \Rightarrow (r1\_tarski\ k6\_hilbert1\ X0))$$