

l6_hilbert1 (TMHJVK- tWqiJm26cCANSd2HsL2HWtLUHrQCz)

October 27, 2020

Let $v5_hilbert1 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k13_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $v1_hilbert1 : \iota \Rightarrow o$ be given. Let $v2_hilbert1 : \iota \Rightarrow o$ be given. Let $v3_hilbert1 : \iota \Rightarrow o$ be given. Let $v4_hilbert1 : \iota \Rightarrow o$ be given. Let $k12_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1_xboole_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. (v5_hilbert1 X0) \Leftrightarrow ((r1_tarski X0 (k13_finseq_1 k5_numbers)) \wedge ((v1_hilbert1 X0) \wedge ((v2_hilbert1 X0) \wedge ((v3_hilbert1 X0) \wedge (v4_hilbert1 X0))))) \quad (2)$$

Assume the following.

$$\forall X0. (v1_hilbert1 X0) \Leftrightarrow (k12_finseq_1 k5_numbers k6_numbers \in X0) \quad (3)$$

Theorem 1 $\forall X0. \neg (v5_hilbert1 X0) \wedge (v1_xboole_0 X0).$