

t32_hilbert1

(TMSkfS2e1nWX8LT6pCh3Us9r7ZPpB1UmsVh)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_hilbert1 : \iota$ be given. Let $k4_hilbert1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_hilbert1 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k1_hilbert1) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k1_hilbert1) \Rightarrow ((k4_hilbert1 X0 X1 \in k6_hilbert1) \Leftrightarrow ((X0 \in k6_hilbert1) \wedge \\ (X1 \in k6_hilbert1)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k1_hilbert1) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k1_hilbert1) \Rightarrow ((k4_hilbert1 X0 X1 \in k6_hilbert1) \Rightarrow (k4_hilbert1 \\ X1 X0 \in k6_hilbert1))) \end{aligned}$$