l62_topgen_1 (TMHKdiJc-CxyrqD4UgxZgdVeUSVnmp4FbWiC)

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Let $k3\_numbers : \iota$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_numbers : \iota$ be given. Let $k1\_borsuk\_5 : \iota$ be given. Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $v1\_rat\_1 : \iota \Rightarrow o$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow ((\neg v1\_rat\_1\ X0) \Leftrightarrow (X0 \in k1\_borsuk\_5)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1 \tag{2}$$

Assume the following.

$$\begin{gathered}\forall X0.\forall X1.\forall X2.(X2 = k4\_xboole\_0\ X0\ X1) \Leftrightarrow (\forall X3. \\ (X3 \in X2) \Leftrightarrow ((X3 \in X0) \wedge (\neg X3 \in X1)))\end{gathered} \tag{3}$$

Assume the following.

$$\forall X0.(v1\_rat\_1\ X0) \Leftrightarrow (X0 \in k3\_numbers) \tag{4}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Leftrightarrow (X0 \in k1\_numbers) \tag{5}$$

Assume the following.

$$\forall X0.(v1\_rat\_1\ X0) \Rightarrow (v1\_xreal\_0\ X0) \tag{6}$$

Theorem 1 $k3\_numbers = k6\_subset\_1\ k1\_numbers\ k1\_borsuk\_5$.