

t11_taxonom2 (TMUSQAnaYqXv- fm4SSdCUGw1fch5hgAPug6)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v5_taxonom2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

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

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 \\ X0))) \Rightarrow ((v5_taxonom2 X1 X0) \Leftrightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 \\ X0)) \Rightarrow ((X2 \in X1) \Rightarrow (\forall X3. (m1_subset_1 X3 X0) \Rightarrow (\neg(\neg X3 \in X2) \wedge \\ \forall X4. (m1_subset_1 X4 (k1_zfmisc_1 X0)) \Rightarrow (\neg(X3 \in X4) \wedge ((X4 \in \\ X1) \wedge (r1_xboole_0 X2 X4)))))))))) \end{aligned} \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0))) \Rightarrow ((X1 = k1_xboole_0) \Rightarrow (v5_taxonom2 X1 X0))$$