

t56_classes2 (TM-
SNNro779G7QBmXF4esPcnU4jCw59hWsH5)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $v2_classes1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \neg(X0 \neq k1_xboole_0) \wedge (\forall X1. \neg X1 \in X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \neg(X0 \in X1) \wedge (\forall X2. \neg(X2 \in X1) \wedge (\forall X3. \neg(X3 \in X1) \wedge (X3 \in X2))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1_ordinal1 X2) \Rightarrow (((X0 \in X1) \wedge (X1 \in X2)) \Rightarrow (X0 \in X2)) \quad (3)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (4)$$

Assume the following.

$$\forall X0. (v1_classes2 X0) \Rightarrow ((v1_ordinal1 X0) \wedge (v2_classes1 X0)) \quad (5)$$

Theorem 1 $\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (k1_xboole_0 \in X0)$.