

t48_classes2
(TMaFcpasHQSBT59CGdcxUp3yk3FS9pSm3dz)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $k1_classes1 : \iota \Rightarrow \iota$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Let $v2_classes1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_ordinal1 X0) \Rightarrow (v1_classes2 (k1_classes1 X0)) \quad (1)$$

Assume the following.

$$\forall X0. \neg v1_xboole_0 (k1_classes1 X0) \quad (2)$$

Assume the following.

$$\forall X0.(v1_classes2 X0) \Rightarrow ((v1_ordinal1 X0) \wedge (v2_classes1 X0)) \quad (3)$$

Theorem 1

$$\forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow ((\neg v1_xboole_0 (k1_classes1 X0)) \wedge (v1_classes2 (k1_classes1 X0)))$$