

t50_classes2 (TM-
SpvYY9AHbRthkyWJpNq5KZ9QejX6bkNUu)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $k4_classes1 : \iota \Rightarrow \iota$ be given. Let $k2_ordinal1 : \iota \Rightarrow \iota$ be given. Let $v2_classes1 : \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $v1_ordinal1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v2_classes1 X0) \Rightarrow (k2_ordinal1 X0 = k1_card_1 X0) \quad (1)$$

Assume the following.

$$\forall X0.((v2_classes1 X0) \wedge (v1_ordinal1 X0)) \Rightarrow (k4_classes1 (k1_card_1 X0) = X0) \quad (2)$$

Assume the following.

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

Theorem 1

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (X0 = k4_classes1 (k2_ordinal1 X0))$$