

t14_ordinal6

(TMQhjcJMGRjZiHRakKEyy7hFZwNH7rrS8d)

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Let $k1_ordinal6 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k1_wellord2 : \iota \Rightarrow \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k2_wellord2 : \iota \Rightarrow \iota$ be given. Let $v1_ordinal6 : \iota \Rightarrow o$ be given. Let $k2_ordinal1 : \iota \Rightarrow \iota$ be given. Assume the following.

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

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (2)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (3)$$

Assume the following.

$$\forall X0. \exists X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \wedge (v1_xboole_0 X1) \quad (4)$$

Assume the following.

$$(v1_relat_1 (k1_wellord2 k1_xboole_0)) \wedge (v1_xboole_0 (k1_wellord2 k1_xboole_0)) \quad (5)$$

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (6)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Rightarrow ((v3_ordinal1 (k2_wellord2 X0)) \wedge (v1_xboole_0 (k2_wellord2 X0))) \quad (7)$$

Assume the following.

$$\forall X0.(v1_ordinal6\ X0) \Rightarrow (k1_ordinal6\ X0 = k2_wellord2\ (k1_wellord2\ X0)) \quad (8)$$

Assume the following.

$$\forall X0.k1_ordinal6\ X0 = k2_wellord2\ (k1_wellord2\ (k2_ordinal1\ X0)) \quad (9)$$

Assume the following.

$$\forall X0.(v1_xboole_0\ X0) \Rightarrow (v3_ordinal1\ X0) \quad (10)$$

Assume the following.

$$\forall X0.(v3_ordinal1\ X0) \Rightarrow (v1_ordinal6\ X0) \quad (11)$$

Theorem 1 $k1_ordinal6\ k1_xboole_0 = k6_numbers$.