

t1_fvaluat1
(TMTQg11ZDXyYPAvQP23FqRpSFAuuuD2PR1)

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Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $k2_xxreal_3 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v3_xxreal_0 : \iota \Rightarrow o$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (2)$$

Assume the following.

$$\forall X0.((v1_xxreal_0 X0) \wedge (\neg v3_xxreal_0 X0)) \Rightarrow ((v1_xxreal_0 (k2_xxreal_3 X0)) \wedge (\neg v2_xxreal_0 (k2_xxreal_3 X0))) \quad (3)$$

Assume the following.

$$\forall X0.((v1_xxreal_0 X0) \wedge (\neg v2_xxreal_0 X0)) \Rightarrow ((v1_xxreal_0 (k2_xxreal_3 X0)) \wedge (\neg v3_xxreal_0 (k2_xxreal_3 X0))) \quad (4)$$

Assume the following.

$$\forall X0.((v1_xxreal_0 X0) \wedge ((\neg v2_xxreal_0 X0) \wedge (\neg v3_xxreal_0 X0))) \Rightarrow ((v1_xboole_0 X0) \wedge (v1_xxreal_0 X0)) \quad (5)$$

Assume the following.

$$\forall X0.((v1_xxreal_0 X0) \wedge (v3_xxreal_0 X0)) \Rightarrow ((\neg v1_xboole_0 X0) \wedge ((v1_xxreal_0 X0) \wedge (\neg v2_xxreal_0 X0))) \quad (6)$$

Theorem 1 $\forall X0.(v1_xxreal_0 X0) \Rightarrow ((X0 = k2_xxreal_3 X0) \Rightarrow (X0 = k6_numbers)).$