

t5_treal_1 (TMaqjQmnhNgwuzPWdNL- Fir7tcjK9MBAHa7c)

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Let $k18.borsuk_1 : \iota$ be given. Let $k1.treal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6.numbers : \iota$ be given. Let $np_{-1} : \iota$ be given. Let $k19.borsuk_1 : \iota$ be given. Let $k2.treal_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1.xboole_0 : \iota \Rightarrow o$ be given. Let $k1.xboole_0 : \iota$ be given. Let $v2.xxreal_0 : \iota \Rightarrow o$ be given. Let $m2.subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1.numbers : \iota$ be given. Let $k5.numbers : \iota$ be given. Let $m1.subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_{-0} : \iota$ be given. Let $r1.xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1.xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1.xboole_0 X0) \Rightarrow (X0 = k1.xboole_0) \quad (1)$$

Assume the following.

$$\begin{aligned} & ((v2.xxreal_0 np_{-1}) \wedge (m2.subset_1 np_{-1} k1.numbers k5.numbers)) \wedge \\ & ((m1.subset_1 np_{-1} k5.numbers) \wedge (m1.subset_1 np_{-1} k1.numbers)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & (m2.subset_1 np_{-0} k1.numbers k5.numbers) \wedge ((m1.subset_1 np_{-0} \\ & k5.numbers) \wedge (m1.subset_1 np_{-0} k1.numbers)) \end{aligned} \quad (3)$$

Assume the following.

$$v1.xboole_0 np_{-0} \quad (4)$$

Assume the following.

$$r1.xxreal_0 np_{-0} np_{-1} \quad (5)$$

Assume the following.

$$k6.numbers = k1.xboole_0 \quad (6)$$

Assume the following.

$$\forall X0.(v1.xreal_0 X0) \Rightarrow (\forall X1.(v1.xreal_0 X1) \Rightarrow ((r1.xxreal_0 X0 X1) \Rightarrow (k2.treal_1 X0 X1 = X1))) \quad (7)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow ((r1_xxreal_0 X0 X1) \Rightarrow (k1_treal_1 X0 X1 = X0))) \quad (8)$$

Assume the following.

$$k19_borsuk_1 = np_1 \quad (9)$$

Assume the following.

$$k18_borsuk_1 = k6_numbers \quad (10)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (11)$$

Theorem 1

$$(k18_borsuk_1 = k1_treal_1 k6_numbers np_1) \wedge (k19_borsuk_1 = k2_treal_1 k6_numbers np_1)$$