

t10_idea_1 (TM-
FUqz3KcYx4c5Rrf3yWMWG64hWKcWR37iP)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k1_binari_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k1_idea_1 : \iota \Rightarrow \iota$ be given. Let $k1_urysohn1 : \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k5_euclid : \iota \Rightarrow \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ be given. Let $k4_ordinal1 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $m2_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $np_0 : \iota$ be given. Let $k4_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $k7_margrel1 : \iota$ be given. Let $k1_xboolean : \iota$ be given. Let $k5_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_euclid : \iota \Rightarrow \iota$ be given. Let $k6_margrel1 : \iota$ be given. Let $v3_xxreal_0 : \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v1_xxreal_0 : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Let $v1_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow ((k6_numbers \in k1_urysohn1 X0) \wedge (np_1 \in k1_urysohn1 X0)) \quad (1)$$

Assume the following.

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

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (r1_xxreal_0 k6_numbers (k3_xcmplx_0 X0 X0)) \quad (3)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k6_xcmplx_0 X0 k6_numbers = X0) \quad (4)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (k1_binari_3 X0 k6_numbers = k5_euclid X0) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1_subset_1 X0 X1) \quad (6)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (((r1_xxreal_0 X0 X1) \wedge (v2_xxreal_0 X0)) \Rightarrow (v2_xxreal_0 X1))) \quad (7)$$

Assume the following.

$$m1_subset_1 k1_xboole_0 k4_ordinal1 \quad (8)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k2_xcmplx_0 X0 k6_numbers = X0) \quad (9)$$

Assume the following.

$$((v2_xxreal_0 np_2) \wedge (m2_subset_1 np_2 k1_numbers k5_numbers)) \wedge ((m1_subset_1 np_2 k5_numbers) \wedge (m1_subset_1 np_2 k1_numbers)) \quad (10)$$

Assume the following.

$$(m2_subset_1 np_0 k1_numbers k5_numbers) \wedge ((m1_subset_1 np_0 k5_numbers) \wedge (m1_subset_1 np_0 k1_numbers)) \quad (11)$$

Assume the following.

$$k4_xcmplx_0 np_0 = np_0 \quad (12)$$

Assume the following.

$$k3_xcmplx_0 np_0 np_0 = np_0 \quad (13)$$

Assume the following.

$$k7_margrel1 = k1_xboolean \quad (14)$$

Assume the following.

$$k6_numbers = k1_xboole_0 \quad (15)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (16)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((\neg v1_xboole_0 X0) \wedge ((v7_ordinal1 X1) \wedge (m1_subset_1 X2 X0))) \Rightarrow (k5_finseq_2 X0 X1 X2 = k2_finseq_2 X1 X2) \quad (17)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(k5_euclid\ X0 = k4_euclid\ X0) \quad (18)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0)\Rightarrow(k4_xcmplx_0\ (k4_xcmplx_0\ X0) = X0) \quad (19)$$

Assume the following.

$$\forall X0.(v1_xreal_0\ X0)\Rightarrow((v1_xcmplx_0\ (k4_xcmplx_0\ X0))\wedge (v1_xreal_0\ (k4_xcmplx_0\ X0))) \quad (20)$$

Assume the following.

$$\neg v1_xboole_0\ k6_margrel1 \quad (21)$$

Assume the following.

$$\forall X0.\forall X1.(((v2_xxreal_0\ X0)\wedge(v1_xreal_0\ X0))\wedge(\neg v2_xxreal_0\ X1)\wedge(v1_xreal_0\ X1))\Rightarrow(v3_xxreal_0\ (k6_xcmplx_0\ X1\ X0)) \quad (22)$$

Assume the following.

$$\neg v1_xboole_0\ k1_numbers \quad (23)$$

Assume the following.

$$\forall X0.((\neg v3_xxreal_0\ X0)\wedge(v1_xreal_0\ X0))\Rightarrow((v1_xcmplx_0\ (k4_xcmplx_0\ X0))\wedge(\neg v2_xxreal_0\ (k4_xcmplx_0\ X0))) \quad (24)$$

Assume the following.

$$m1_subset_1\ k7_margrel1\ k6_margrel1 \quad (25)$$

Assume the following.

$$m1_subset_1\ k5_numbers\ (k1_zfmisc_1\ k1_numbers) \quad (26)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0)\Rightarrow(v1_xcmplx_0\ (k4_xcmplx_0\ X0)) \quad (27)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(m1_subset_1\ (k1_urysohn1\ X0)\ (k1_zfmisc_1\ k1_numbers)) \quad (28)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0\ X0)\Rightarrow(\forall X1.(v1_xcmplx_0\ X1)\Rightarrow(k6_xcmplx_0\ X0\ X1 = k2_xcmplx_0\ X0\ (k4_xcmplx_0\ X1))) \quad (29)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (k4_euclid\ X0 = k5_finseq_2\ k1_numbers\ X0\ k6_numbers) \quad (30)$$

Assume the following.

$$k1_xboole_0 = the\ (\lambda X0 : \iota.v1_xboole_0\ X0) \quad (31)$$

Assume the following.

$$k1_xboolean = k6_numbers \quad (32)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k5_numbers) \Rightarrow (k1_idea_1\ X0 = k5_finseq_2\ k6_margrel1\ X0\ k7_margrel1) \quad (33)$$

Assume the following.

$$\forall X0.\forall X1.((v1_xcmplx_0\ X0) \wedge (v1_xcmplx_0\ X1)) \Rightarrow (k2_xcmplx_0\ X0\ X1 = k2_xcmplx_0\ X1\ X0) \quad (34)$$

Assume the following.

$$\forall X0.((v1_xxreal_0\ X0) \wedge ((\neg v2_xxreal_0\ X0) \wedge (\neg v3_xxreal_0\ X0))) \Rightarrow ((v1_xboole_0\ X0) \wedge (v1_xxreal_0\ X0)) \quad (35)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k4_ordinal1) \Rightarrow (v7_ordinal1\ X0) \quad (36)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ (k1_zfmisc_1\ k1_numbers)) \Rightarrow (v3_membered\ X0) \quad (37)$$

Assume the following.

$$\forall X0.(v3_membered\ X0) \Rightarrow (v1_membered\ X0) \quad (38)$$

Assume the following.

$$\forall X0.(v1_xreal_0\ X0) \Rightarrow (v1_xcmplx_0\ X0) \quad (39)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow ((v7_ordinal1\ X0) \wedge (\neg v3_xxreal_0\ X0)) \quad (40)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0) \Rightarrow (v1_xxreal_0\ X0) \quad (41)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(v1_xreal_0\ X0) \quad (42)$$

Assume the following.

$$\forall X0.(v7_ordinal1\ X0)\Rightarrow(v1_xcmplx_0\ X0) \quad (43)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k5_numbers)\Rightarrow(\neg v3_xxreal_0\ X0) \quad (44)$$

Assume the following.

$$\forall X0.(m1_subset_1\ X0\ k1_numbers)\Rightarrow(v1_xreal_0\ X0) \quad (45)$$

Assume the following.

$$\forall X0.(v3_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_xreal_0\ X1)) \quad (46)$$

Assume the following.

$$\forall X0.(v1_membered\ X0)\Rightarrow(\forall X1.(m1_subset_1\ X1\ X0)\Rightarrow(v1_xcmplx_0\ X1)) \quad (47)$$

Theorem 1

$$\forall X0.(m1_subset_1\ X0\ k5_numbers)\Rightarrow(k1_binari_3\ X0\ k6_numbers = k1_idea_1\ X0)$$