

l38_anproj_2 (TMZb-
BXjY8yU94WdaaHxNvD8s8Tfue9LFXHX)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k8_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_real_1 : \iota \Rightarrow \iota$ be given. Let $k9_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_xcmplx_0 : \iota \Rightarrow \iota$ be given. Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k6_xcmplx_0 X0 \ k6_numbers = X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k3_xcmplx_0 X0 \ k6_numbers = k6_numbers) \quad (2)$$

Assume the following.

$$k5_xcmplx_0 \ k6_numbers = k6_numbers \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1 X0 \ k1_numbers) \wedge (v1_xreal_0 X1)) \Rightarrow (k9_real_1 X0 \ X1 = k6_xcmplx_0 X0 \ X1) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1 X0 \ k1_numbers) \wedge (v1_xreal_0 X1)) \Rightarrow (k8_real_1 X0 \ X1 = k3_xcmplx_0 X0 \ X1) \quad (5)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 \ k1_numbers) \Rightarrow (k2_real_1 X0 = k5_xcmplx_0 X0) \quad (6)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 \ k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 X1 \ k1_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 \ k1_numbers) \Rightarrow (\neg(X0 \neq X1) \wedge ((X2 \neq k6_numbers) \wedge (k9_real_1 (k8_real_1 X1 \ X2) (k8_real_1 X0 \ X2) = k6_numbers)))))) \quad (7)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (k2_real_1 (k2_real_1 X0) = X0) \quad (8)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow ((v1_xcmplx_0 (k5_xcmplx_0 X0)) \wedge (v1_xreal_0 (k5_xcmplx_0 X0))) \quad (9)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1 X0 k1_numbers) \wedge (v1_xreal_0 X1)) \Rightarrow (m1_subset_1 (k9_real_1 X0 X1) k1_numbers) \quad (10)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1 X0 k1_numbers) \wedge (v1_xreal_0 X1)) \Rightarrow (m1_subset_1 (k8_real_1 X0 X1) k1_numbers) \quad (11)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (m1_subset_1 (k2_real_1 X0) k1_numbers) \quad (12)$$

Assume the following.

$$\forall X0.\forall X1.((m1_subset_1 X0 k1_numbers) \wedge (v1_xreal_0 X1)) \Rightarrow (k8_real_1 X0 X1 = k8_real_1 X1 X0) \quad (13)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (v1_xreal_0 X0) \quad (14)$$

Theorem 1

$$\begin{aligned} & \forall X0.(m1_subset_1 X0 k1_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ & X1 k1_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow (\forall X3. \\ & (m1_subset_1 X3 k1_numbers) \Rightarrow (\neg(X0 \neq k6_numbers) \wedge ((X1 \neq X2) \wedge ((\\ & X3 \neq k6_numbers) \wedge (k8_real_1 X3 (k2_real_1 (k9_real_1 (k8_real_1 \\ & X2 X0) (k8_real_1 X1 X0))) = k6_numbers))))))) \end{aligned}$$