

t67_complex2

(TMTeC8GTZXzzcPs6DfN8rpCmiyBZGxLZxzT)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_numbers : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k3_complex2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_complex1 : \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k2_complex2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_sin_cos : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k2_numbers) \Rightarrow (\forall X2.(m1_subset_1 X2 k1_numbers) \Rightarrow (\neg(X0 \neq \\ k6_numbers) \wedge ((X1 \neq k6_numbers) \wedge (k3_complex2 X0 X1 \neq k3_complex2 \\ (k2_complex2 X0 X2) (k2_complex2 X1 X2)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (k2_complex2 X0 k32_sin_cos = k10_complex1 X0) \quad (2)$$

Assume the following.

$$m1_subset_1 k32_sin_cos k1_numbers \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k2_numbers) \Rightarrow (\neg(X0 \neq k6_numbers) \wedge ((X1 \neq k6_numbers) \wedge (k3_complex2 \\ X0 X1 \neq k3_complex2 (k10_complex1 X0) (k10_complex1 X1)))))) \end{aligned}$$