

l12_comseq_2 (TMKxkM- MixE7VNWbwoehBL3AhU6ic2jGMkwh)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k8_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k5_complex1 : \iota$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\neg v1_xboole_0 \ k2_numbers \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((\neg v1_xboole_0 \ X0) \wedge (m1_subset_1 \ X2 \ X0)) \Rightarrow ((v1_funct_1 \ (k8_funcop_1 \ X0 \ X1 \ X2)) \wedge ((v1_funct_2 \ (k8_funcop_1 \ X0 \ X1 \ X2) \ X1 \ X0) \wedge (m1_subset_1 \ (k8_funcop_1 \ X0 \ X1 \ X2) \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ X1 \ X0)))))) \tag{2}$$

Assume the following.

$$m1_subset_1 \ k5_complex1 \ k2_numbers \tag{3}$$

Theorem 1

$$(v1_funct_1 \ (k8_funcop_1 \ k2_numbers \ k5_numbers \ k5_complex1)) \wedge ((v1_funct_2 \ (k8_funcop_1 \ k2_numbers \ k5_numbers \ k5_complex1) \ k5_numbers \ k2_numbers) \wedge (m1_subset_1 \ (k8_funcop_1 \ k2_numbers \ k5_numbers \ k5_complex1) \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ k5_numbers \ k2_numbers))))$$