

t59_complfld (TMWNUrFT- trkQNdb2V9PYERA3PAuC7Qvrriq)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_complfld : \iota$ be given. Let $k4_struct_0 : \iota \Rightarrow \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k17_complex1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k5_complex1 : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$k4_struct_0 \ k1_complfld = k5_complex1 \tag{1}$$

Assume the following.

$$\forall X0. (v1_xcmplx_0 \ X0) \Rightarrow ((\neg(X0 \neq k6_numbers) \wedge (r1_xxreal_0 \ (k17_complex1 \ X0) \ k6_numbers)) \wedge (\neg(\neg r1_xxreal_0 \ (k17_complex1 \ X0) \ k6_numbers) \wedge (X0 = k6_numbers))) \tag{2}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{3}$$

Assume the following.

$$k5_complex1 = k1_xboole_0 \tag{4}$$

Assume the following.

$$\forall X0. (m1_subset_1 \ X0 \ (u1_struct_0 \ k1_complfld)) \Rightarrow (v1_xcmplx_0 \ X0) \tag{5}$$

Theorem 1

$$\forall X0. (m1_subset_1 \ X0 \ (u1_struct_0 \ k1_complfld)) \Rightarrow ((\neg(X0 \neq k4_struct_0 \ k1_complfld) \wedge (r1_xxreal_0 \ (k17_complex1 \ X0) \ k6_numbers)) \wedge (\neg(\neg r1_xxreal_0 \ (k17_complex1 \ X0) \ k6_numbers) \wedge (X0 = k4_struct_0 \ k1_complfld)))$$