

l3_complfld
(TMbE3BRa3eT64XHzbNzb2ATKCX4FGA2mnCF)

October 27, 2020

Let $k5_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_complfld : \iota$ be given. Let $k6_complex1 : \iota$ be given. Let $v36_algstr_0 : \iota \Rightarrow o$ be given. Let $l6_algstr_0 : \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_numbers : \iota$ be given. Let $u1_algstr_0 : \iota \Rightarrow \iota$ be given. Let $k27_binop_2 : \iota$ be given. Let $u2_algstr_0 : \iota \Rightarrow \iota$ be given. Let $k29_binop_2 : \iota$ be given. Let $k4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k5_complex1 : \iota$ be given. Assume the following.

$$(v36_algstr_0 \ k1_complfld) \wedge (l6_algstr_0 \ k1_complfld) \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. & ((v36_algstr_0 \ X0) \wedge (l6_algstr_0 \ X0)) \Rightarrow ((X0 = k1_complfld) \Leftrightarrow \\ & ((u1_struct_0 \ X0 = k2_numbers) \wedge ((u1_algstr_0 \ X0 = k27_binop_2) \wedge \\ & ((u2_algstr_0 \ X0 = k29_binop_2) \wedge ((k5_struct_0 \ X0 = k6_complex1) \wedge \\ & (k4_struct_0 \ X0 = k5_complex1)))))) \end{aligned} \tag{2}$$

Theorem 1 $k5_struct_0 \ k1_complfld = k6_complex1$.