

t14\_complfld  
(TMYdd3h479SpkzwKKZhr1x2dpdweVCCtcCQ)

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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  $k11\_algstr\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k2\_binop\_2 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 k1\_complfld)) \Rightarrow (\forall X1. \\ & (v1\_xcmplx\_0 X1) \Rightarrow ((X0 = X1) \Rightarrow ((X0 = k4\_struct\_0 k1\_complfld) \vee ( \\ & k11\_algstr\_0 k1\_complfld X0 = k2\_binop\_2 X1)))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (k2\_binop\_2 (k2\_binop\_2 X0) = X0) \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 k1\_complfld)) \Rightarrow (v1\_xcmplx\_0 X0) \quad (3)$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 k1\_complfld)) \Rightarrow (\forall X1. \\ & (m1\_subset\_1 X1 (u1\_struct\_0 k1\_complfld)) \Rightarrow ((k11\_algstr\_0 k1\_complfld \\ & X0 = k11\_algstr\_0 k1\_complfld X1) \Rightarrow ((X0 = k4\_struct\_0 k1\_complfld) \vee \\ & ((X1 = k4\_struct\_0 k1\_complfld) \vee (X0 = X1)))) \end{aligned}$$