

# l40\_cfunct\_1 (TMZkFVdCLNwuEBrvbVCoF- CEN2BZkYyxcMpc)

October 27, 2020

Let  $k12\_complex1 : \iota \Rightarrow \iota$  be given. Let  $k10\_complex1 : \iota \Rightarrow \iota$  be given. Let  $k6\_complex1 : \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k7\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k5\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_numbers : \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (k7\_xcmplx\_0 np\_1 X0 = k5\_xcmplx\_0 X0) \quad (1)$$

Assume the following.

$$k7\_xcmplx\_0 np\_1 (k4\_xcmplx\_0 np\_1) = k4\_xcmplx\_0 np\_1 \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k2\_numbers) \Rightarrow (k12\_complex1 X0 = k5\_xcmplx\_0 X0) \quad (3)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k2\_numbers) \Rightarrow (k10\_complex1 X0 = k4\_xcmplx\_0 X0) \quad (4)$$

Assume the following.

$$m1\_subset\_1 k6\_complex1 k2\_numbers \quad (5)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k2\_numbers) \Rightarrow (m1\_subset\_1 (k10\_complex1 X0) k2\_numbers) \quad (6)$$

Assume the following.

$$k6\_complex1 = np\_1 \quad (7)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k2\_numbers) \Rightarrow (v1\_xcmplx\_0 X0) \quad (8)$$

**Theorem 1**  $k12\_complex1 (k10\_complex1 k6\_complex1) = k10\_complex1 k6\_complex1.$