

# t10\_complex1

(TMRcjMSJoPxYuvRPv7pwrXJ3xX7dJ8kdwg2)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k3\_complex1 : \iota \Rightarrow \iota$  be given. Let  $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_complex1 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_xcmplx\_0 : \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $c7\_xreal\_0 : \iota$  be given. Let  $k1\_xxreal\_0 : \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \quad (1)$$

Assume the following.

$$k7\_complex1 = k1\_xcmplx\_0 \quad (2)$$

Assume the following.

$$\forall X0. (m1\_subset\_1 X0 k1\_numbers) \Rightarrow (k3\_complex1 (k3\_xcmplx\_0 X0 k7\_complex1) = k6\_numbers) \quad (3)$$

Assume the following.

$$c7\_xreal\_0 = k6\_numbers \quad (4)$$

Assume the following.

$$k1\_xxreal\_0 = k1\_numbers \quad (5)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Leftrightarrow (X0 \in k1\_numbers) \quad (6)$$

**Theorem 1**

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (k3\_complex1 (k3\_xcmplx\_0 X0 k7\_complex1) = k6\_numbers)$$