

# l12\_complex1

## (TMMgftetzL1aasL9qk1tMamFLbbnBrijj2Pk)

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Let  $k6\_complex1 : \iota$  be given. Let  $k5\_arytm\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $v2\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $c7\_xreal\_0 : \iota$  be given. Let  $k5\_funct\_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & ((v2\_xreal\_0 \ np\_1) \wedge (m2\_subset\_1 \ np\_1 \ k1\_numbers \ k5\_numbers)) \wedge \\ & ((m1\_subset\_1 \ np\_1 \ k5\_numbers) \wedge (m1\_subset\_1 \ np\_1 \ k1\_numbers)) \end{aligned} \quad (1)$$

Assume the following.

$$m1\_subset\_1 \ k6\_numbers \ k1\_numbers \quad (2)$$

Assume the following.

$$c7\_xreal\_0 = k6\_numbers \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 \ X0 \ k1\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & \ X1 \ k1\_numbers) \Rightarrow (((X1 = k6\_numbers) \Rightarrow (k5\_arytm\_0 \ X0 \ X1 = X0)) \wedge (( \\ & \ X1 \neq k6\_numbers) \Rightarrow (k5\_arytm\_0 \ X0 \ X1 = k5\_funct\_4 \ k1\_numbers \ k6\_numbers \\ & \ np\_1 \ X0 \ X1)))) \end{aligned} \quad (4)$$

Assume the following.

$$k6\_complex1 = np\_1 \quad (5)$$

**Theorem 1**  $k6\_complex1 = k5\_arytm\_0 \ np\_1 \ k6\_numbers$ .