

## t26\_xcplx\_1

(TMVbL1ecez1UKhxuBHvFT6KeZQwrdqMQWH9)

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Let  $v1\_xcplx\_0 : \iota \Rightarrow o$  be given. Let  $k6\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xcplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k4\_xcplx\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (k2\_xcplx\_0 X0 k6\_numbers = X0) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_xcplx\_0 X0) \wedge ((v1\_xcplx\_0 X1) \wedge (v1\_xcplx\_0 X2))) \Rightarrow (k2\_xcplx\_0 (k2\_xcplx\_0 X0 X1) X2 = k2\_xcplx\_0 X0 (k2\_xcplx\_0 X1 X2)) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (k2\_xcplx\_0 X0 (k4\_xcplx\_0 X1) = k6\_xcplx\_0 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.((v1\_xcplx\_0 X0) \wedge (v1\_xcplx\_0 X1)) \Rightarrow (v1\_xcplx\_0 (k2\_xcplx\_0 X0 X1)) \quad (4)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (v1\_xcplx\_0 (k4\_xcplx\_0 X0)) \quad (5)$$

Assume the following.

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow ((X1 = k4\_xcplx\_0 X0) \Leftrightarrow (k2\_xcplx\_0 X0 X1 = k6\_numbers))) \quad (6)$$

### Theorem 1

$$\forall X0.(v1\_xcplx\_0 X0) \Rightarrow (\forall X1.(v1\_xcplx\_0 X1) \Rightarrow (X0 = k6\_xcplx\_0 (k2\_xcplx\_0 X0 X1) X1))$$