

# t24\_valued\_2 (TMZoCXAFikn- RhJS7wzDzz8tVTXDronyTDRN)

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Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_valued\_0 : \iota \Rightarrow o$  be given. Let  $k24\_valued\_1 : \iota \Rightarrow \iota$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $k30\_valued\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.((v1\_relat\_1 X1) \wedge ((v1\_funct\_1 X1) \wedge (v1\_valued\_0 X1))) \Rightarrow (k24\_valued\_1 (k30\_valued\_1 X1) X0 = k30\_valued\_1 (k24\_valued\_1 X1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.((v1\_relat\_1 X1) \wedge ((v1\_funct\_1 X1) \wedge (v1\_valued\_0 X1))) \Rightarrow (k24\_valued\_1 (k30\_valued\_1 X1) X0 = k24\_valued\_1 X1 (k4\_xcmplx\_0 X0))) \quad (2)$$

**Theorem 1**

$$\forall X0.(v1\_xcmplx\_0 X0) \Rightarrow (\forall X1.((v1\_relat\_1 X1) \wedge ((v1\_funct\_1 X1) \wedge (v1\_valued\_0 X1))) \Rightarrow (k24\_valued\_1 X1 (k4\_xcmplx\_0 X0) = k30\_valued\_1 (k24\_valued\_1 X1 X0)))$$