

t4_toprealc
(TMdBpJUN4sErDtJfcbGnW8EebkR6dzg8fJf)

October 27, 2020

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 $k1_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k14_valued_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge ((\\ & \quad v1_funct_1 X1) \wedge (v1_valued_0 X1))) \Rightarrow (\forall X2.((v1_relat_1 \\ & \quad X2) \wedge ((v1_funct_1 X2) \wedge (v1_valued_0 X2)))) \Rightarrow (k14_valued_2 (k1_valued_1 \\ & \quad X1 X2) X0 = k1_valued_1 (k14_valued_2 X1 X0) (k14_valued_2 X2 X0)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge ((\\ & \quad v1_funct_1 X1) \wedge (v1_valued_0 X1))) \Rightarrow (\forall X2.((v1_relat_1 \\ & \quad X2) \wedge ((v1_funct_1 X2) \wedge (v1_valued_0 X2)))) \Rightarrow (k1_valued_1 (k14_valued_2 \\ & \quad X1 X0) (k14_valued_2 X2 X0) = k14_valued_2 (k1_valued_1 X1 X2) X0))) \end{aligned}$$