

t45_complex2 (TMJLBcY-
BvC6KFHtdEGEKgmjQWdiFeMZMstR)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_numbers : \iota$ be given. Let $k1_complex2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_complex1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k2_numbers) \Rightarrow (k1_complex2 (k10_complex1 X0) X1 = k1_complex2 \\ X0 (k10_complex1 X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (k10_complex1 (k10_complex1 X0) = X0) \tag{2}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (m1_subset_1 (k10_complex1 X0) k2_numbers) \tag{3}$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 k2_numbers) \Rightarrow (\forall X1.(m1_subset_1 \\ X1 k2_numbers) \Rightarrow (k1_complex2 (k10_complex1 X0) (k10_complex1 \\ X1) = k1_complex2 X0 X1)) \end{aligned}$$