

t77_flang_3 (TM-
LUVj4oUhG7X3B71xNMeSr5G4kSvRyyhC1)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k8_afinsq_1 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_flang_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_flang_3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k7_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v2_xxreal_0 : \iota \Rightarrow o$ 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 $k4_ordinal1 : \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (k6_flang_1 X0 (k2_flang_3 \\ & X0 X1) (k7_flang_1 X0 X1 X2) = k1_flang_3 X0 X1 (k2_xcmplx_0 X2 np_1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow (k2_flang_3 X0 X1 = k1_flang_3 X0 X1 np_1) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (\forall X3. (v7_ordinal1 \\ & X3) \Rightarrow (\forall X4. (v7_ordinal1 X4) \Rightarrow ((r1_xxreal_0 X2 X3) \Rightarrow (k6_flang_1 \\ & X0 (k1_flang_3 X0 X1 X4) (k1_flang_2 X0 X1 X2 X3) = k1_flang_3 X0 X1 \\ & (k2_xcmplx_0 X4 X2)))))) \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (\forall X3. (v7_ordinal1 \\ & X3) \Rightarrow (k1_flang_3 X0 X1 (k2_xcmplx_0 X2 X3) = k6_flang_1 X0 (k1_flang_3 \\ & X0 X1 X2) (k7_flang_1 X0 X1 X3)))) \end{aligned} \quad (4)$$

Assume the following.

$$\begin{aligned} & ((v2_xxreal_0 \ np_1) \wedge (m2_subset_1 \ np_1 \ k1_numbers \ k5_numbers)) \wedge \\ & ((m1_subset_1 \ np_1 \ k5_numbers) \wedge (m1_subset_1 \ np_1 \ k1_numbers)) \end{aligned} \quad (5)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (6)$$

Assume the following.

$$\forall X0. (m1_subset_1 \ X0 \ k4_ordinal1) \Rightarrow (v7_ordinal1 \ X0) \quad (7)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (k8_afinsq_1 \\ & \quad X0))) \Rightarrow (\forall X2. (v7_ordinal1 \ X2) \Rightarrow (\forall X3. (v7_ordinal1 \\ & \quad X3) \Rightarrow ((r1_xxreal_0 \ X2 \ X3) \Rightarrow (k6_flang_1 \ X0 \ (k2_flang_3 \ X0 \ X1) \ (k1_flang_2 \\ & \quad X0 \ X1 \ X2 \ X3) = k1_flang_3 \ X0 \ X1 \ (k2_xcmplx_0 \ X2 \ np_1)))))) \end{aligned}$$