

t24_flang_1
(TMFin9rKioSUynx1vbvZnc1FqGdhc6TTcJ2)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k3_catalan2 : \iota \Rightarrow \iota$ be given. Let $k7_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k4_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_flang_1 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k9_setfam_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$m1_subset_1 \ k1_xboole_0 \ k4_ordinal1 \tag{1}$$

Assume the following.

$$k6_numbers = k1_xboole_0 \tag{2}$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (k3_catalan2 \ X0))) \wedge (v7_ordinal1 \ X2)) \Rightarrow (m1_subset_1 \ (k7_flang_1 \ X0 \ X1 \ X2) \ (k1_zfmisc_1 \ (k3_catalan2 \ X0))) \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 \ X1 \ (k1_zfmisc_1 \ (k3_catalan2 \ X0))) \Rightarrow (\forall X2. (v7_ordinal1 \ X2) \Rightarrow (\forall X3. (m1_subset_1 \ X3 \ (k1_zfmisc_1 \ (k3_catalan2 \ X0))) \Rightarrow ((X3 = k7_flang_1 \ X0 \ X1 \ X2) \Leftrightarrow \\ & (\exists X4. ((v1_funct_1 \ X4) \wedge ((v1_funct_2 \ X4 \ k5_numbers \ (k9_setfam_1 \ (k3_catalan2 \ X0))) \wedge (m1_subset_1 \ X4 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ k5_numbers \ (k9_setfam_1 \ (k3_catalan2 \ X0)))))) \wedge ((X3 = k5_flang_1 \ (k3_catalan2 \ X0) \ X4 \ X2) \wedge ((k5_flang_1 \ (k3_catalan2 \ X0) \ X4 \ k6_numbers = \\ & k4_flang_1 \ X0 \ (k2_flang_1 \ X0)) \wedge (\forall X5. (v7_ordinal1 \ X5) \Rightarrow (k5_flang_1 \ (k3_catalan2 \ X0) \ X4 \ (k2_xcmplx_0 \ X5 \ np_1) = k6_flang_1 \ X0 \ (k5_flang_1 \ (k3_catalan2 \ X0) \ X4 \ X5) \ X1)))))) \end{aligned} \tag{4}$$

Assume the following.

$$\forall X0.(m1_subset_1 X0 k4_ordinal1) \Rightarrow (v7_ordinal1 X0) \quad (5)$$

Theorem 1

$$\forall X0.\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (k7_flang_1 X0 X1 k6_numbers = k4_flang_1 X0 (k2_flang_1 X0))$$