

t27\_flgang\_2 (TM-  
MXjN9uLtC2kTEgFPjKZtTUaX5hJ7Mr78)

October 27, 2020

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  $k1\_flang\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (\forall X3. (v7\_ordinal1 X3) \Rightarrow (\forall X4. (v7\_ordinal1 X4) \Rightarrow (((r1\_xxreal\_0 X2 X3) \wedge (r1\_xxreal\_0 X3 X4)) \Rightarrow (k1\_flang\_2 X0 X1 X2 X4 = k4\_subset\_1 (k8\_afinsq\_1 X0) (k1\_flang\_2 X0 X1 X2 X3) (k1\_flang\_2 X0 X1 (k2\_xcmplx\_0 X3 np\_1) X4))))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (k1\_flang\_2 X0 X1 X2 X2 = k7\_flang\_1 X0 X1 X2)) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_xxreal\_0 X0) \wedge (v1\_xxreal\_0 X1)) \Rightarrow (r1\_xxreal\_0 X0 X0) \quad (3)$$

Assume the following.

$$\forall X0. (v7\_ordinal1 X0) \Rightarrow (v1\_xxreal\_0 X0) \quad (4)$$

**Theorem 1**

$$\begin{aligned} \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (\forall X3. (v7\_ordinal1 X3) \Rightarrow ((r1\_xxreal\_0 X2 X3) \Rightarrow (k1\_flang\_2 X0 X1 X2 X3 = k4\_subset\_1 (k8\_afinsq\_1 X0) (k7\_flang\_1 X0 X1 X2) (k1\_flang\_2 X0 X1 (k2\_xcmplx\_0 X2 np\_1) X3)))))) \end{aligned}$$