

t63\_flang\_1  
(TMN5NCa1BUqDnJ7BF65Zb7KrdEg89qd11EZ)

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  $k6\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k8\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_flang\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 X0))) \Rightarrow (k8\_flang\_1 X0 (k8\_flang\_1 X0 X1) = k8\_flang\_1 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 X0))) \Rightarrow ((k2\_flang\_1 X0 \in X1) \Rightarrow ((k8\_flang\_1 X0 X1 = k6\_flang\_1 X0 (k8\_flang\_1 X0 X1) X1) \wedge (k8\_flang\_1 X0 X1 = k6\_flang\_1 X0 X1 (k8\_flang\_1 X0 X1)))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 X0))) \Rightarrow (k2\_flang\_1 X0 \in k8\_flang\_1 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 X0))) \Rightarrow (m1\_subset\_1 (k8\_flang\_1 X0 X1) (k1\_zfmisc\_1 (k3\_catalan2 X0))) \quad (4)$$

**Theorem 1**

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 X0))) \Rightarrow (k6\_flang\_1 X0 (k8\_flang\_1 X0 X1) (k8\_flang\_1 X0 X1) = k8\_flang\_1 X0 X1)$$