

## t64\_flang\_1

(TMH1NdKZmgw2QyHD4hEWKSs27GxCTvtsy6Nt)

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  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k8\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 \\ & X0))) \Rightarrow (\forall X2. (m1\_subset\_1 X2 (k1\_zfmisc\_1 (k3\_catalan2 \\ & X0))) \Rightarrow ((r1\_tarski X1 (k8\_flang\_1 X0 X2)) \Rightarrow (r1\_tarski (k8\_flang\_1 \\ & X0 X1) (k8\_flang\_1 X0 X2)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 \\ & X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (r1\_tarski (k7\_flang\_1 X0 \\ & X1 X2) (k8\_flang\_1 X0 X1))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. ((m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ & (k3\_catalan2 X0))) \wedge (v7\_ordinal1 X2)) \Rightarrow (m1\_subset\_1 (k7\_flang\_1 \\ & X0 X1 X2) (k1\_zfmisc\_1 (k3\_catalan2 X0))) \end{aligned} \tag{3}$$

### Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_catalan2 \\ & X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (r1\_tarski (k8\_flang\_1 X0 \\ & (k7\_flang\_1 X0 X1 X2) (k8\_flang\_1 X0 X1))) \end{aligned}$$