

## t62\_flang\_2

(TMau7TRTbCuwz8c7MRt8Mt5guwgt2LuWuCx)

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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  $k2\_flang\_1 : \iota \Rightarrow \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k8\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_flang\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_flang\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 \\ & \quad X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (\forall X3. (v7\_ordinal1 \\ & X3) \Rightarrow (((k2\_flang\_1 X0 \in X1) \wedge (r1\_xxreal\_0 X2 X3)) \Rightarrow (k1\_flang\_2 X0 \\ & \quad X1 X2 X3 = k7\_flang\_1 X0 X1 X3)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 \\ & \quad X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow ((k2\_flang\_1 X0 \in X1) \Rightarrow ((r1\_xxreal\_0 \\ & X2 k6\_numbers) \vee (k8\_flang\_1 X0 (k7\_flang\_1 X0 X1 X2) = k8\_flang\_1 \\ & \quad X0 X1)))) \end{aligned} \tag{2}$$

### Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k8\_afinsq\_1 \\ & \quad X0))) \Rightarrow (\forall X2. (v7\_ordinal1 X2) \Rightarrow (\forall X3. (v7\_ordinal1 \\ & X3) \Rightarrow (((r1\_xxreal\_0 X2 X3) \wedge (k2\_flang\_1 X0 \in X1)) \Rightarrow ((r1\_xxreal\_0 \\ & X3 k6\_numbers) \vee (k8\_flang\_1 X0 (k1\_flang\_2 X0 X1 X2 X3) = k8\_flang\_1 \\ & \quad X0 X1)))) \end{aligned}$$