

l27\_finseqop  
(TMcSzKFquuZoqRwjpnAj1EV3sEc9ayx3sNr)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v3\_card\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  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  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_finseq\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m2\_finseq\_1 X1 X0) \Rightarrow \\ & ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 (k4\_finseq\_1 X1) X0) \wedge (m1\_subset\_1 \\ & X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k4\_finseq\_1 X1) X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. (v7\_ordinal1 X0) \Rightarrow (\forall X1. (\neg v1\_xboole\_0 X1) \Rightarrow ( \\ & \forall X2. ((v3\_card\_1 X2 X0) \wedge (m2\_finseq\_1 X2 X1)) \Rightarrow (k4\_finseq\_1 \\ & X2 = k2\_finseq\_1 X0)) \end{aligned} \quad (2)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (v7\_ordinal1 X1) \Rightarrow ( \\ & \forall X2. ((v3\_card\_1 X2 X1) \wedge (m2\_finseq\_1 X2 X0)) \Rightarrow ((v1\_funct\_1 \\ & X2) \wedge ((v1\_funct\_2 X2 (k2\_finseq\_1 X1) X0) \wedge (m1\_subset\_1 X2 (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 (k2\_finseq\_1 X1) X0)))))) \end{aligned}$$