

# l8\_msualg\_1 (TMPLd- HQx2Q77aqG8oAT9ZUY7RD4emstBs12)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v2\_margrel1 : \iota \Rightarrow o$  be given. Let  $v3\_margrel1 : \iota \Rightarrow \iota \Rightarrow o$  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  $k3\_finseq\_2 : \iota \Rightarrow \iota$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k4\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k19\_margrel1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. ((v1\_funct\_1 X1) \wedge \\ (\neg v1\_xboole\_0 X1) \wedge ((v2\_margrel1 X1) \wedge ((v3\_margrel1 X1 X0) \wedge (m1\_subset\_1 \\ X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k3\_finseq\_2 X0) X0)))))) \Rightarrow (k9\_xtuple\_0 \\ X1 = k4\_finseq\_2 (k19\_margrel1 X1) X0)) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. ((\neg v1\_xboole\_0 X1) \wedge \\ ((v1\_funct\_1 X1) \wedge ((v2\_margrel1 X1) \wedge ((v3\_margrel1 X1 X0) \wedge (m1\_subset\_1 \\ X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k3\_finseq\_2 X0) X0)))))) \Rightarrow (k9\_xtuple\_0 \\ X1 = k4\_finseq\_2 (k19\_margrel1 X1) X0)) \end{aligned}$$