

l72\_descip\_1  
 (TMH5FWPZTjji5BGGNGGRGfwEE61gdFYpiXV)

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Let  $m2\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_margrel1 : \iota$  be given. Let  $k4\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_64 : \iota$  be given. Let  $k25\_descip\_1 : \iota \Rightarrow \iota$  be given. Let  $k27\_descip\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_finseq\_2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k10\_descip\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $np\_40 : \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $np\_8 : \iota$  be given. Let  $np\_3 : \iota$  be given. Let  $np\_48 : \iota$  be given. Let  $np\_4 : \iota$  be given. Let  $np\_16 : \iota$  be given. Let  $np\_5 : \iota$  be given. Let  $np\_56 : \iota$  be given. Let  $np\_6 : \iota$  be given. Let  $np\_24 : \iota$  be given. Let  $np\_7 : \iota$  be given. Let  $np\_32 : \iota$  be given. Let  $np\_9 : \iota$  be given. Let  $np\_39 : \iota$  be given. Let  $np\_10 : \iota$  be given. Let  $np\_11 : \iota$  be given. Let  $np\_47 : \iota$  be given. Let  $np\_12 : \iota$  be given. Let  $np\_15 : \iota$  be given. Let  $np\_13 : \iota$  be given. Let  $np\_55 : \iota$  be given. Let  $np\_14 : \iota$  be given. Let  $np\_23 : \iota$  be given. Let  $np\_63 : \iota$  be given. Let  $np\_31 : \iota$  be given. Let  $np\_17 : \iota$  be given. Let  $np\_38 : \iota$  be given. Let  $np\_18 : \iota$  be given. Let  $np\_19 : \iota$  be given. Let  $np\_46 : \iota$  be given. Let  $np\_20 : \iota$  be given. Let  $np\_21 : \iota$  be given. Let  $np\_54 : \iota$  be given. Let  $np\_22 : \iota$  be given. Let  $np\_62 : \iota$  be given. Let  $np\_30 : \iota$  be given. Let  $np\_25 : \iota$  be given. Let  $np\_37 : \iota$  be given. Let  $np\_26 : \iota$  be given. Let  $np\_27 : \iota$  be given. Let  $np\_45 : \iota$  be given. Let  $np\_28 : \iota$  be given. Let  $np\_29 : \iota$  be given. Let  $np\_53 : \iota$  be given. Let  $np\_61 : \iota$  be given. Let  $np\_33 : \iota$  be given. Let  $np\_36 : \iota$  be given. Let  $np\_34 : \iota$  be given. Let  $np\_35 : \iota$  be given. Let  $np\_44 : \iota$  be given. Let  $np\_52 : \iota$  be given. Let  $np\_60 : \iota$  be given. Let  $np\_41 : \iota$  be given. Let  $np\_42 : \iota$  be given. Let  $np\_43 : \iota$  be given. Let  $np\_51 : \iota$  be given. Let  $np\_59 : \iota$  be given. Let  $np\_49 : \iota$  be given. Let  $np\_50 : \iota$  be given. Let  $np\_58 : \iota$  be given. Let  $np\_57 : \iota$  be given. Assume the following.

$$\begin{aligned}
 & ((v2\_xxreal\_0 \ np\_64) \wedge (m2\_subset\_1 \ np\_64 \ k1\_numbers \ k5\_numbers)) \wedge \\
 & ((m1\_subset\_1 \ np\_64 \ k5\_numbers) \wedge (m1\_subset\_1 \ np\_64 \ k1\_numbers))
 \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_finseq\_2 X1 X0)\Rightarrow(\forall X2.(m2\_finseq\_2 X2 X0 X1)\Leftrightarrow(m1\_subset\_1 X2 X1)) \quad (2)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(v7\_ordinal1 X0)\Rightarrow(m1\_finseq\_2 (k4\_finseq\_2 X0 X1) X1) \quad (4)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k4\_finseq\_2 np\_64 k6\_margrel1))\Rightarrow(m2\_finseq\_2 (k27\_descip\_1 X0) k6\_margrel1 (k4\_finseq\_2 np\_64 k6\_margrel1)) \quad (5)$$





Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k4\_ordinal1) \Rightarrow (v7\_ordinal1 X0) \quad (8)$$

**Theorem 1**

$$\forall X0.(m2\_finseq\_2 X0 k6\_margrel1 (k4\_finseq\_2 np\_64 k6\_margrel1)) \Rightarrow (k25\_descip\_1 (k27\_descip\_1 X0) = X0)$$