

l3\_poset\_1 (TMRqF-  
pUCX3Z26q7HWodwW14JRcr62MMyyxS)

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Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  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  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k9\_funct\_7 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (v7\_ordinal1 X1) \Rightarrow (\forall X2. ((v1\_funct\_1 \\ & X2) \wedge ((v1\_funct\_2 X2 X0 X0) \wedge (m1\_subset\_1 X2 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ & X0 X0)))))) \Rightarrow ((v1\_funct\_1 (k9\_funct\_7 X2 X1)) \wedge ((v1\_funct\_2 (k9\_funct\_7 \\ & X2 X1) X0 X0) \wedge (m1\_subset\_1 (k9\_funct\_7 X2 X1) (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ & X0 X0)))))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. ((v1\_funct\_1 X1) \wedge ((v1\_funct\_2 X1 X0 X0) \wedge \\ & (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow (\forall X2. \\ & (v7\_ordinal1 X2) \Rightarrow ((v1\_funct\_1 (k9\_funct\_7 X1 X2)) \wedge ((v1\_funct\_2 \\ & (k9\_funct\_7 X1 X2) X0 X0) \wedge (m1\_subset\_1 (k9\_funct\_7 X1 X2) (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 X0 X0)))))) \end{aligned}$$