

t82\_modelc\_2 (TM-  
PubfFhAQWdWU6jD74JwCtxF8pKSdh5bEy)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k25\_modelc\_2 : \iota \Rightarrow \iota$  be given. Let  $k26\_modelc\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k27\_modelc\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  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  $k5\_numbers : \iota$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. (\neg v1\_xboole\_0 X0) \Rightarrow & ((v1\_funct\_1 (k27\_modelc\_2 \\ X0 X1)) \wedge & ((v1\_funct\_2 (k27\_modelc\_2 X0 X1) k5\_numbers X0) \wedge (m1\_subset\_1 \\ (k27\_modelc\_2 X0 X1) & (k1\_zfmisc\_1 (k2\_zfmisc\_1 k5\_numbers X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k25\_modelc\_2 X0)) \Rightarrow (k27\_modelc\_2 X0 X1 = X1)) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow & (\forall X1. ((v1\_funct\_1 X1) \wedge \\ (v1\_funct\_2 X1 k5\_numbers X0) \wedge & (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 \\ k5\_numbers X0)))) \Rightarrow & (k26\_modelc\_2 X0 X1 = X1)) \end{aligned} \quad (3)$$

**Theorem 1**

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (m1\_subset\_1 X1 (k25\_modelc\_2 X0)) \Rightarrow (k26\_modelc\_2 X0 (k27\_modelc\_2 X0 X1) = X1))$$