

17\_prvect\_3 (TM-  
FxF1QPESy2RLzttB4b7wTyeSgXUA2qRRz)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $l1\_struct\_0 : \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_domain\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k4\_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (\neg v1\_xboole\_0 X1) \Rightarrow (\forall X2. (\neg v1\_xboole\_0 \\ & X2) \Rightarrow (\neg (X0 \in k2\_zfmisc\_1 X1 X2) \wedge (\forall X3. (m1\_subset\_1 X3 X1) \Rightarrow \\ & (\forall X4. (m1\_subset\_1 X4 X2) \Rightarrow (X0 \neq k4\_tarSKI X3 X4)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((\neg v1\_xboole\_0 X0) \wedge \\ & ((\neg v1\_xboole\_0 X1) \wedge ((m1\_subset\_1 X2 X0) \wedge (m1\_subset\_1 X3 X1)))) \Rightarrow \\ & (k1\_domain\_1 X0 X1 X2 X3 = k4\_tarSKI X2 X3) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. (l1\_struct\_0 X0) \Rightarrow ((v2\_struct\_0 X0) \Leftrightarrow (v1\_xboole\_0 (u1\_struct\_0 X0))) \quad (3)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. ((\neg v2\_struct\_0 X0) \wedge (l1\_struct\_0 X0)) \Rightarrow (\forall X1. \\ & ((\neg v2\_struct\_0 X1) \wedge (l1\_struct\_0 X1)) \Rightarrow (\forall X2. \neg (X2 \in k2\_zfmisc\_1 \\ & (u1\_struct\_0 X0) (u1\_struct\_0 X1)) \wedge (\forall X3. (m1\_subset\_1 \\ & X3 (u1\_struct\_0 X0)) \Rightarrow (\forall X4. (m1\_subset\_1 X4 (u1\_struct\_0 \\ & X1)) \Rightarrow (X2 \neq k1\_domain\_1 (u1\_struct\_0 X0) (u1\_struct\_0 X1) X3 X4)))))) \end{aligned}$$