

t18\_relset\_2  
(TMbTxzyw212rb9YzCgo4EEE1kPcunJpLkQ3)

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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  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_relset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1 : \iota \Rightarrow o. \forall X2 : \iota \Rightarrow \iota. \forall X3. \\ & m1\_subset\_1 (ReplSep (toset (\lambda X4 : \iota. m1\_subset\_1 X4 X3))) ( \\ & \lambda X4 : \iota. X1 X4) (\lambda X4 : \iota. X2 X4)) (k1\_zfmisc\_1 X0) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. \forall X2. (m1\_subset\_1 \\ & X2 (k1\_zfmisc\_1 X0)) \Rightarrow (\forall X3. (m1\_subset\_1 X3 (k1\_zfmisc\_1 \\ & (k2\_zfmisc\_1 X0 X1))) \Rightarrow (m1\_subset\_1 (ReplSep (toset (\lambda X4 : \iota. \\ & m1\_subset\_1 X4 X0)) (\lambda X4 : \iota. X4 \in X2) (\lambda X4 : \iota. k7\_relset\_1 \\ & X0 X1 X3 X4)) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X1)))))) \end{aligned}$$