

t2\_wellset1 (TMZpFyw-  
BaXe1mz1nGJSEA7eb4Tf9uGcVJV3)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k1\_relat\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \neg(X0 \neq k1\_xboole\_0) \wedge ((X1 \neq k1\_xboole\_0) \wedge \\ & (\neg(k9\_xtuple\_0 (k2\_zfmisc\_1 X0 X1) = X0) \wedge (k10\_xtuple\_0 (k2\_zfmisc\_1 \\ & \quad X0 X1) = X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. (v1\_relat\_1 X0) \Rightarrow (k1\_relat\_1 X0 = k2\_xboole\_0 (k9\_xtuple\_0 X0) (k10\_xtuple\_0 X0)) \tag{2}$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (v1\_relat\_1 X2) \Rightarrow ((X2 = k2\_zfmisc\_1 \\ & X0 X1) \Rightarrow ((X0 = k1\_xboole\_0) \vee ((X1 = k1\_xboole\_0) \vee (k1\_relat\_1 X2 = \\ & \quad k2\_xboole\_0 X0 X1)))) \end{aligned}$$