

# t38\_toler\_1 (TMHxtzH- MZvzuxtLQ9hZMxZ1eJyMpeMqk4FT)

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Let  $v1\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v3\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$  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  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1\_relat\_2 X1) \wedge ((v3\_relat\_2 X1) \wedge ((v1\_partfun1 \\ & X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow \\ & (\forall X2. (X2 = k4\_toler\_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow ((v1\_toler\_1 \\ & X3 X0 X1) \wedge (m1\_toler\_1 X3 X0 X1)))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1\_relat\_2 X1) \wedge ((v3\_relat\_2 X1) \wedge ((v1\_partfun1 \\ & X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow \\ & (\forall X2. (X2 = k3\_toler\_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (m1\_toler\_1 \\ & X3 X0 X1))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (3)$$

## Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. ((v1\_relat\_2 X1) \wedge ((v3\_relat\_2 X1) \wedge ((v1\_partfun1 \\ & X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow \\ & (r1\_tarski (k4\_toler\_1 X0 X1) (k3\_toler\_1 X0 X1)) \end{aligned}$$