

t48\_subset\_1

(TMKqwSo7fCgT8iwEYHojpn9P1kswxv5RWvV)

October 27, 2020

Let  $v1\_zfmisc\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(v1\_zfmisc\_1 X0) \Leftrightarrow (\forall X1.\forall X2.((X1 \in X0) \wedge (X2 \in X0)) \Rightarrow (X1 = X2)) \quad (1)$$

**Theorem 1**

$$\forall X0.(\neg v1\_zfmisc\_1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 X0) \Rightarrow (\exists X2.(X2 \in X0) \wedge (X1 \neq X2)))$$