

t15\_supinf\_2  
(TMW2vi5oqbvd9wKJLYNzudLNL7iosGSyeGS)

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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  $k7\_numbers : \iota$  be given. Let  $k8\_supinf\_2 : \iota \Rightarrow \iota$  be given. Let  $k6\_supinf\_2 : \iota \Rightarrow \iota$  be given. Let  $k2\_supinf\_2 : \iota \Rightarrow \iota$  be given. Let  $k7\_supinf\_2 : \iota \Rightarrow \iota$  be given. Let  $k4\_member\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_membered : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.((\neg v1\_xboole\_0 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers))) \Rightarrow (k7\_supinf\_2 (k6\_supinf\_2 X0) = k2\_supinf\_2 (k8\_supinf\_2 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers)) \Rightarrow (k6\_supinf\_2 X0 = k4\_member\_1 X0) \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers)) \Rightarrow (k6\_supinf\_2 (k6\_supinf\_2 X0) = X0) \quad (3)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k7\_numbers) \Rightarrow (k2\_supinf\_2 (k2\_supinf\_2 X0) = X0) \quad (4)$$

Assume the following.

$$\forall X0.((\neg v1\_xboole\_0 X0) \wedge (v2\_membered X0)) \Rightarrow ((\neg v1\_xboole\_0 (k4\_member\_1 X0)) \wedge (v2\_membered (k4\_member\_1 X0))) \quad (5)$$

Assume the following.

$$\forall X0.(v2\_membered X0) \Rightarrow (m1\_subset\_1 (k8\_supinf\_2 X0) k7\_numbers) \quad (6)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers)) \Rightarrow (m1\_subset\_1 (k6\_supinf\_2 X0) (k1\_zfmisc\_1 k7\_numbers)) \quad (7)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers)) \Rightarrow (v2\_membered X0) \quad (8)$$

**Theorem 1**

$$\forall X0.((\neg v1\_xboole\_0 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k7\_numbers))) \Rightarrow (k8\_supinf\_2 (k6\_supinf\_2 X0) = k2\_supinf\_2 (k7\_supinf\_2 X0))$$