

t14\_finsub\_1  
(TMHoHRFFoSnnhyhNpwh3GPxSGSbr1tg29Ne)

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Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $k5\_finsub\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $r1\_tarSKI : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v4\_finsub\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (k4\_xboole\_0 X0 X1 = k1\_xboole\_0) \Leftrightarrow (r1\_tarSKI X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((r1\_tarSKI X0 X1) \wedge (v1\_finset\_1 X1)) \Rightarrow (v1\_finset\_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. v4\_finsub\_1 (k5\_finsub\_1 X0) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (v4\_finsub\_1 X1) \Rightarrow ((X1 = k5\_finsub\_1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((r1\_tarSKI X2 X0) \wedge (v1\_finset\_1 X2)))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_zfmisc\_1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (r1\_tarSKI X2 X0)) \quad (5)$$

**Theorem 1**  $\forall X0. (v1\_finset\_1 X0) \Rightarrow (k5\_finsub\_1 X0 = k1\_zfmisc\_1 X0)$ .