

t21\_zfmisc\_1

(TMcLFnYfhKk8nmHsAukgEX5h9TaZdCns3yy)

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Let  $r1\_tarSKI : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_tarSKI : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarSKI : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. k2\_tarSKI X0 X0 = k1\_tarSKI X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1\_tarSKI (k2\_tarSKI X0 X1) (k1\_tarSKI X2)) \Rightarrow (X0 = X2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. k2\_tarSKI X0 X1 = k2\_tarSKI X1 X0 \quad (3)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. (r1\_tarSKI (k2\_tarSKI X0 X1) (k1\_tarSKI X2)) \Rightarrow (k2\_tarSKI X0 X1 = k1\_tarSKI X2)$$