

t14_finset_1
(TMHv4dXkG8BeJhB8hPZqi3P1oV4DEhjpH6n)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski X0 X1) \Rightarrow ((r1_tarski (k2_zfmisc_1 X0 X2) (k2_zfmisc_1 X1 X2)) \wedge (r1_tarski (k2_zfmisc_1 X2 X0) (k2_zfmisc_1 X2 X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1_tarski X0 X1) \wedge (r1_tarski X1 X2)) \Rightarrow (r1_tarski X0 X2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \neg(v1_finset_1 X0) \wedge ((r1_tarski X0 (k2_zfmisc_1 X1 X2)) \wedge (\forall X3. \forall X4. \neg(v1_finset_1 X3) \wedge ((r1_tarski X3 X1) \wedge ((v1_finset_1 X4) \wedge ((r1_tarski X4 X2) \wedge (r1_tarski X0 (k2_zfmisc_1 X3 X4))))))) \quad (3)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \neg(v1_finset_1 X0) \wedge ((r1_tarski X0 (k2_zfmisc_1 X1 X2)) \wedge (\forall X3. \neg(v1_finset_1 X3) \wedge ((r1_tarski X3 X1) \wedge (r1_tarski X0 (k2_zfmisc_1 X3 X2))))))$$