

t62_card_2

(TMK72kxYCAbCAkbENn125JatNfZuH5knDQa)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1_finset_1 X0) \Rightarrow ((\forall X1.\forall X2.\neg(X1 \in X0) \wedge \\ & ((X2 \in X0) \wedge (\neg r1_tarski X1 X2) \wedge (\neg r1_tarski X2 X1)))) \Rightarrow ((X0 = k1_xboole_0) \vee \\ & (k3_tarski X0 \in X0)) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_finset_1 X0) \wedge (\forall X1.\forall X2.\neg(X1 \in X0) \wedge \\ & ((X2 \in X0) \wedge (\neg r1_tarski X1 X2) \wedge (\neg r1_tarski X2 X1)))) \Rightarrow ((X0 = k1_xboole_0) \vee \\ & (k3_tarski X0 \in X0)) \end{aligned}$$