

t1\_kolmog01

(TMTqPvFve9TuVm6oMLL1okmHEtg6nmTzWeW)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (v1\_relat\_1 X1) \Rightarrow (k10\_xtuple\_0 (k5\_relat\_1 X1 X0) = k7\_relat\_1 X1 X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1)) \Rightarrow (\neg (X0 \neq k1\_xboole\_0) \wedge ((r1\_tarski X0 (k9\_xtuple\_0 X1)) \wedge (k7\_relat\_1 X1 X0 = k1\_xboole\_0))) \quad (2)$$

**Theorem 1**

$$\forall X0. ((v1\_relat\_1 X0) \wedge (v1\_funct\_1 X0)) \Rightarrow (\forall X1. \neg (r1\_tarski X1 (k9\_xtuple\_0 X0)) \wedge ((X1 \neq k1\_xboole\_0) \wedge (k10\_xtuple\_0 (k5\_relat\_1 X0 X1) = k1\_xboole\_0)))$$