

l102\_fomodel0

(TMKDN1vVNKM1JpY8zY18TSWacW1Ynfje6ny)

October 27, 2020

Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v5\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v3\_relat\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (v1\_relat\_1 X1) \Rightarrow ((v5\_relat\_1 X1 X0) \Leftrightarrow (r1\_tarski (k10\_xtuple\_0 X1) X0)) \quad (1)$$

Assume the following.

$$\forall X0. (v1\_relat\_1 X0) \Rightarrow ((v3\_relat\_1 X0) \Leftrightarrow (r1\_tarski (k10\_xtuple\_0 X0) (k1\_tarski k1\_xboole\_0))) \quad (2)$$

**Theorem 1**

$$\forall X0. (v1\_relat\_1 X0) \Rightarrow ((v5\_relat\_1 X0 (k1\_tarski k1\_xboole\_0)) \Leftrightarrow (v3\_relat\_1 X0))$$