

t92\_funct\_2 (TM-  
SjMkPfjCZUy3dneVP16dAXNRRHJtdqYkg)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (X2 = k1\_funct\_2 X0 X1) \Leftrightarrow (\forall X3. \\ & (X3 \in X2) \Leftrightarrow (\exists X4. ((v1\_relat\_1 X4) \wedge (v1\_funct\_1 X4)) \wedge ((X3 = \\ & X4) \wedge ((k9\_xtuple\_0 X4 = X0) \wedge (r1\_tarski (k10\_xtuple\_0 X4) X1)))))) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. ((v1\_relat\_1 X2) \wedge (v1\_funct\_1 \\ & X2)) \Rightarrow ((X2 \in k1\_funct\_2 X0 X1) \Rightarrow ((k9\_xtuple\_0 X2 = X0) \wedge (r1\_tarski \\ & (k10\_xtuple\_0 X2) X1))) \end{aligned}$$