

t91\_funct\_1  
(TMbz7CaurB9tCKXrH5XV5P4ViV25DpxySFf)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k8\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k7\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. ((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1)) \Rightarrow ((r1\_tarski X0 (k10\_xtuple\_0 X1)) \Rightarrow (k7\_relat\_1 X1 (k8\_relat\_1 X1 X0) = X0)) \quad (1)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. ((v1\_relat\_1 X2) \wedge (v1\_funct\_1 X2)) \Rightarrow (((k8\_relat\_1 X2 X0 = k8\_relat\_1 X2 X1) \wedge ((r1\_tarski X0 (k10\_xtuple\_0 X2)) \wedge (r1\_tarski X1 (k10\_xtuple\_0 X2)))) \Rightarrow (X0 = X1))$$