

t1_wellfnd1
(TManYfZbv4uuAqwRW59fcPBHqtJP6cSeL2a)

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Let $v4_funct_1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $r1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v4_funct_1 X0) \wedge (\forall X1.((v1_relat_1 X1) \wedge (v1_funct_1 \\ X1)) \Rightarrow (\forall X2.((v1_relat_1 X2) \wedge (v1_funct_1 X2)) \Rightarrow (((X1 \in X0) \wedge \\ (X2 \in X0)) \Rightarrow (r1_partfun1 X1 X2)))))) \Rightarrow ((v1_relat_1 (k3_tarski X0)) \wedge \\ (v1_funct_1 (k3_tarski X0))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0.(v4_funct_1 X0) \Rightarrow ((\forall X1.((v1_relat_1 X1) \wedge (v1_funct_1 \\ X1)) \Rightarrow (\forall X2.((v1_relat_1 X2) \wedge (v1_funct_1 X2)) \Rightarrow (((X1 \in X0) \wedge \\ (X2 \in X0)) \Rightarrow (r1_partfun1 X1 X2)))))) \Rightarrow ((v1_relat_1 (k3_tarski X0)) \wedge \\ (v1_funct_1 (k3_tarski X0))) \end{aligned}$$