

t197_member_1 (TMUGU- unr3La3EnBABEUoF5W8U2JxaeRortg)

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Let $v1_membered : \iota \Rightarrow o$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k23_member_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_membered X0) \Rightarrow (\forall X1.(v1_membered X1) \Rightarrow (\forall X2. \\ (v1_xcmplx_0 X2) \Rightarrow ((r1_tarski (k23_member_1 X0 X2) (k23_member_1 \\ X1 X2)) \Rightarrow ((X2 = k6_numbers) \vee (r1_tarski X0 X1)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.r1_tarski X0 X0 \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0.(v1_membered X0) \Rightarrow (\forall X1.(v1_membered X1) \Rightarrow (\forall X2. \\ (v1_xcmplx_0 X2) \Rightarrow ((k23_member_1 X0 X2 = k23_member_1 X1 X2) \Rightarrow ((\\ X2 = k6_numbers) \vee (X0 = X1)))))) \end{aligned}$$