

t76_classes1
(TMQR3xekdHc6zojXsdyXapcy6aEKcMYTd5d)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $r2_classes1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k10_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. (v1_relat_1 X1) \Rightarrow ((r2_classes1 \\ X0 X1) \Leftrightarrow (\forall X2. k1_card_1 (k10_relat_1 X0 X2) = k1_card_1 (k10_relat_1 \\ X1 X2)))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} \forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1. ((\\ v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow (\forall X2. ((v1_relat_1 X2) \wedge \\ (v1_funct_1 X2)) \Rightarrow (((r2_classes1 X0 X1) \wedge (r2_classes1 X0 X2)) \Rightarrow \\ (r2_classes1 X1 X2)))) \end{aligned}$$