

t65_classes2
(TMYScugMZzw1Tuoa2im1eQ1UcpVibswzL2i)

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Let $k16_classes2 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k13_classes2 : \iota$ be given. Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $k1_classes1 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v5_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v4_ordinal1 : \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k15_classes2 : \iota \Rightarrow \iota$ be given. Let $k3_card_3 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
& (k16_classes2 \ k1_xboole_0 = k13_classes2) \wedge ((\forall X0.(v3_ordinal1 \\
& X0) \Rightarrow (k16_classes2 \ (k1_ordinal1 \ X0) = k1_classes1 \ (k16_classes2 \\
& X0))) \wedge (\forall X0.(v3_ordinal1 \ X0) \Rightarrow (\forall X1.((v1_relat_1 \\
& X1) \wedge ((v5_ordinal1 \ X1) \wedge (v1_funct_1 \ X1))) \Rightarrow (((v4_ordinal1 \ X0) \wedge \\
& ((k9_xtuple_0 \ X1 = X0) \wedge (\forall X2.(v3_ordinal1 \ X2) \Rightarrow ((X2 \in X0) \Rightarrow \\
& (k1_funct_1 \ X1 \ X2 = k16_classes2 \ X2)))))) \Rightarrow ((X0 = k1_xboole_0) \vee (\\
& k16_classes2 \ X0 = k15_classes2 \ (k3_card_3 \ X1))))))
\end{aligned} \tag{1}$$

Theorem 1 $k16_classes2 \ k1_xboole_0 = k13_classes2$.