

t3_dynkin

(TMRfvjXFz9wX8teCqTeGCpGUDqzrYfd9qwz)

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Let $k3_card_3 : \iota \Rightarrow \iota$ be given. Let $k13_funct_7 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. k3_tarski (k2_tarski X0 X1) = k2_xboole_0 X0 X1 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k3_tarski (k1_enumset1 X0 X1 k1_xboole_0) = k3_tarski (k2_tarski X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k10_xtuple_0 (k13_funct_7 X0 X1 X2) = k1_enumset1 X0 X1 X2 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1_relat_1 (k13_funct_7 X0 X1 X2)) \wedge (v1_funct_1 (k13_funct_7 X0 X1 X2)) \quad (4)$$

Assume the following.

$$\forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (k3_card_3 X0 = k3_tarski (k10_xtuple_0 X0)) \quad (5)$$

Theorem 1

$$\forall X0. \forall X1. k3_card_3 (k13_funct_7 X0 X1 k1_xboole_0) = k2_xboole_0 X0 X1$$