

t24_dynkin

(TMTBTreJx2zm57CJbeAukk5Jh7bQsHr1qBm)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $v2_finsub_1 : \iota \Rightarrow o$ be given. Let $m1_dynkin : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_prob_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_dynkin : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0))) \Rightarrow ((v2_finsub_1 X1) \Rightarrow (v2_finsub_1 (k5_dynkin X0 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.((\neg v1_xboole_0 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0)))) \Rightarrow (((m1_dynkin X1 X0) \wedge (v2_finsub_1 X1)) \Rightarrow ((\neg v1_xboole_0 X1) \wedge ((v1_prob_1 X1 X0) \wedge ((v4_prob_1 X1 X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0)))))))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((r1_tarski X0 X1) \wedge (r1_tarski X1 X2)) \Rightarrow (r1_tarski X0 X2) \quad (3)$$

Assume the following.

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m1_dynkin X1 X0) \Rightarrow (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0)))) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1_xboole_0 X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0)))) \Rightarrow ((\neg v1_xboole_0 (k9_prob_1 X0 X1)) \wedge ((v1_prob_1 (k9_prob_1 X0 X1) X0) \wedge ((v4_prob_1 (k9_prob_1 X0 X1) X0) \wedge (m1_subset_1 (k9_prob_1 X0 X1) (k1_zfmisc_1 (k1_zfmisc_1 X0)))))) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1_xboole_0 X0)\wedge(m1_subset_1 X1 (k1_zfmisc_1 (k1_zfmisc_1 X0))))\Rightarrow(m1_dynkin (k5_dynkin X0 X1) X0) \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ (k1_zfmisc_1 X0)))\Rightarrow(\forall X2.((\neg v1_xboole_0 X2)\wedge((v1_prob_1 \\ X2 X0)\wedge((v4_prob_1 X2 X0)\wedge(m1_subset_1 X2 (k1_zfmisc_1 (k1_zfmisc_1 \\ X0))))))\Rightarrow((X2 = k9_prob_1 X0 X1)\Leftrightarrow((r1_tarski X1 X2)\wedge(\forall X3. \\ ((r1_tarski X1 X3)\wedge((\neg v1_xboole_0 X3)\wedge((v1_prob_1 X3 X0)\wedge((v4_prob_1 \\ X3 X0)\wedge(m1_subset_1 X3 (k1_zfmisc_1 (k1_zfmisc_1 X0))))))\Rightarrow(\\ r1_tarski X2 X3)))))) \end{aligned} \quad (7)$$

Assume the following.

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ (k1_zfmisc_1 X0)))\Rightarrow(\forall X2.(m1_dynkin X2 X0)\Rightarrow((X2 = k5_dynkin \\ X0 X1)\Leftrightarrow((r1_tarski X1 X2)\wedge(\forall X3.(m1_dynkin X3 X0)\Rightarrow((r1_tarski \\ X1 X3)\Rightarrow(r1_tarski X2 X3)))))) \end{aligned} \quad (8)$$

Assume the following.

$$\forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.(m1_dynkin X1 X0)\Rightarrow(\neg v1_xboole_0 X1)) \quad (9)$$

Theorem 1

$$\begin{aligned} \forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.(m1_subset_1 X1 (k1_zfmisc_1 \\ (k1_zfmisc_1 X0)))\Rightarrow((v2_finsub_1 X1)\Rightarrow(\forall X2.(m1_dynkin \\ X2 X0)\Rightarrow((r1_tarski X1 X2)\Rightarrow(r1_tarski (k9_prob_1 X0 X1) X2)))) \end{aligned}$$