

t24_csspace4
(TMLouuGf3qb43o6yTS7HjbMw5at15r7ZVWf)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v13_algstr_0 : \iota \Rightarrow o$ be given. Let $v2_rlvect_1 : \iota \Rightarrow o$ be given. Let $v3_rlvect_1 : \iota \Rightarrow o$ be given. Let $v4_rlvect_1 : \iota \Rightarrow o$ be given. Let $v3_normsp_0 : \iota \Rightarrow o$ be given. Let $v4_normsp_0 : \iota \Rightarrow o$ be given. Let $v2_clvect_1 : \iota \Rightarrow o$ be given. Let $v3_clvect_1 : \iota \Rightarrow o$ be given. Let $v4_clvect_1 : \iota \Rightarrow o$ be given. Let $v5_clvect_1 : \iota \Rightarrow o$ be given. Let $v8_clvect_1 : \iota \Rightarrow o$ be given. Let $l2_clvect_1 : \iota \Rightarrow o$ be given. Let $k9_csspace4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $g1_clvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u2_struct_0 : \iota \Rightarrow \iota$ be given. Let $u1_algstr_0 : \iota \Rightarrow \iota$ be given. Let $u1_clvect_1 : \iota \Rightarrow \iota$ be given. Let $l1_clvect_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $g2_clvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_csspace4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k10_csspace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_clopan1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_csspace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_csspace : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_clvect_1 : \iota \Rightarrow o$ be given. Let $l2_normsp_0 : \iota \Rightarrow o$ be given. Let $k8_csspace4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_clvect_1 : \iota \Rightarrow o$ be given. Let $k9_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_lopban_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_lopban_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_clopan1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_normsp_0 : \iota \Rightarrow \iota$ be given. Assume

the following.

$$\begin{aligned}
& \forall X0.(l2_clvect_1 X0) \Rightarrow (((\neg v2_struct_0 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v13_algstr_0 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v2_rlvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v3_rlvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v4_rlvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v2_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v3_clvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge ((v4_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0))) \wedge ((v5_clvect_1 (g1_clvect_1 (u1_struct_0 \\
& X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 X0))) \wedge (l1_clvect_1 \\
& (g1_clvect_1 (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) \\
& (u1_clvect_1 X0)))))))))) \Rightarrow ((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 \\
& X0) \wedge ((v2_rlvect_1 X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge \\
& ((v2_clvect_1 X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 X0) \wedge ((v5_clvect_1 \\
& X0) \wedge (l1_clvect_1 X0))))))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.((\neg v2_struct_0 X1) \wedge \\
& ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge ((v4_rlvect_1 \\
& X1) \wedge ((v3_normsp_0 X1) \wedge ((v4_normsp_0 X1) \wedge ((v2_clvect_1 X1) \wedge \\
& ((v3_clvect_1 X1) \wedge ((v4_clvect_1 X1) \wedge ((v5_clvect_1 X1) \wedge ((v8_clvect_1 \\
& X1) \wedge (l2_clvect_1 X1)))))))))) \Rightarrow ((v4_normsp_0 (k9_csspace4 \\
& X0 X1)) \wedge ((v3_normsp_0 (k9_csspace4 X0 X1)) \wedge (v8_clvect_1 (k9_csspace4 \\
& X0 X1))))
\end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned}
& \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.((m1_subset_1 \\
& X1 X0) \wedge (((v1_funct_1 X2) \wedge ((v1_funct_2 X2 (k2_zfmisc_1 X0 X0) X0) \wedge \\
& (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 X0 X0) \\
& X0)))) \wedge ((v1_funct_1 X3) \wedge ((v1_funct_2 X3 (k2_zfmisc_1 k2_numbers \\
& X0) X0) \wedge (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 \\
& k2_numbers X0) X0)))) \wedge ((v1_funct_1 X4) \wedge ((v1_funct_2 X4 X0 k1_numbers) \wedge \\
& (m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X0 k1_numbers)))))) \Rightarrow \\
& (\forall X5.\forall X6.\forall X7.\forall X8.\forall X9.(g2_clvect_1 \\
& X0 X1 X2 X3 X4 = g2_clvect_1 X5 X6 X7 X8 X9) \Rightarrow ((X0 = X5) \wedge ((X1 = X6) \wedge ((X2 = \\
& X7) \wedge ((X3 = X8) \wedge (X4 = X9))))))
\end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v2_struct_0 X1) \wedge \\
& ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge ((v4_rlvect_1 \\
& X1) \wedge ((v3_normsp_0 X1) \wedge ((v4_normsp_0 X1) \wedge ((v2_clvect_1 X1) \wedge \\
& ((v3_clvect_1 X1) \wedge ((v4_clvect_1 X1) \wedge ((v5_clvect_1 X1) \wedge ((v8_clvect_1 \\
& X1) \wedge (l2_clvect_1 X1)))))))))) \Rightarrow ((v13_algstr_0 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v2_rlvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v3_rlvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v4_rlvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v1_clvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v2_clvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v3_clvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge ((v4_clvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))) \wedge (v5_clvect_1 (g1_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopban1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopban1 X0 X1) (k4_csspace4 X0 X1)))))))))
\end{aligned} \tag{4}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v2_struct_0 X1) \wedge \\
& ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge ((v4_rlvect_1 \\
& X1) \wedge ((v3_normsp_0 X1) \wedge ((v4_normsp_0 X1) \wedge ((v2_clvect_1 X1) \wedge \\
& ((v3_clvect_1 X1) \wedge ((v4_clvect_1 X1) \wedge ((v5_clvect_1 X1) \wedge ((v8_clvect_1 \\
& X1) \wedge (l2_clvect_1 X1)))))))))) \Rightarrow (\neg v1_xboole_0 (k4_csspace4 \\
& X0 X1))
\end{aligned} \tag{5}$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.((\neg v1_xboole_0 X0)\wedge \\ & ((m1_subset_1 X1 X0)\wedge(((v1_funct_1 X2)\wedge((v1_funct_2 X2 (k2_zfmisc_1 \\ & X0 X0) X0)\wedge(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 \\ & X0 X0) X0))))\wedge((v1_funct_1 X3)\wedge((v1_funct_2 X3 (k2_zfmisc_1 \\ & k2_numbers X0) X0)\wedge(m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 \\ & (k2_zfmisc_1 k2_numbers X0) X0))))))))))\Rightarrow((\neg v2_struct_0 (g1_clvect_1 \\ & X0 X1 X2 X3))\wedge(v1_clvect_1 (g1_clvect_1 X0 X1 X2 X3))) \end{aligned} \quad (6)$$

Assume the following.

$$\forall X0.(l2_clvect_1 X0)\Rightarrow((l1_clvect_1 X0)\wedge(l2_normsp_0 X0)) \quad (7)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((\neg v1_xboole_0 X0)\wedge((\neg v2_struct_0 X1)\wedge \\ & ((v13_algstr_0 X1)\wedge((v2_rlvect_1 X1)\wedge((v3_rlvect_1 X1)\wedge((v4_rlvect_1 \\ & X1)\wedge((v3_normsp_0 X1)\wedge((v4_normsp_0 X1)\wedge((v2_clvect_1 X1)\wedge \\ & ((v3_clvect_1 X1)\wedge((v4_clvect_1 X1)\wedge((v5_clvect_1 X1)\wedge((v8_clvect_1 \\ & X1)\wedge(l2_clvect_1 X1))))))))))))))\Rightarrow((\neg v2_struct_0 (k9_csspace4 \\ & X0 X1))\wedge(l2_clvect_1 (k9_csspace4 X0 X1))) \end{aligned} \quad (8)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.(((\neg v2_struct_0 X0)\wedge((v13_algstr_0 X0)\wedge \\ & ((v2_rlvect_1 X0)\wedge((v3_rlvect_1 X0)\wedge((v4_rlvect_1 X0)\wedge((v2_clvect_1 \\ & X0)\wedge((v3_clvect_1 X0)\wedge((v4_clvect_1 X0)\wedge((v5_clvect_1 X0)\wedge \\ & (l1_clvect_1 X0))))))))))\wedge(m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\ & X0))))\Rightarrow((v1_funct_1 (k9_csspace X0 X1))\wedge((v1_funct_2 (k9_csspace \\ & X0 X1) (k2_zfmisc_1 k2_numbers X1) X1)\wedge(m1_subset_1 (k9_csspace \\ & X0 X1) (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 k2_numbers X1) X1)))))) \end{aligned} \quad (9)$$

Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.((\neg v1_xboole_0 X0)\wedge((\neg v2_struct_0 X1)\wedge \\ & ((v13_algstr_0 X1)\wedge((v2_rlvect_1 X1)\wedge((v3_rlvect_1 X1)\wedge((v4_rlvect_1 \\ & X1)\wedge((v3_normsp_0 X1)\wedge((v4_normsp_0 X1)\wedge((v2_clvect_1 X1)\wedge \\ & ((v3_clvect_1 X1)\wedge((v4_clvect_1 X1)\wedge((v5_clvect_1 X1)\wedge((v8_clvect_1 \\ & X1)\wedge(l2_clvect_1 X1))))))))))))))\Rightarrow((v1_funct_1 (k8_csspace4 \\ & X0 X1))\wedge((v1_funct_2 (k8_csspace4 X0 X1) (k4_csspace4 X0 X1) k1_numbers)\wedge \\ & (m1_subset_1 (k8_csspace4 X0 X1) (k1_zfmisc_1 (k2_zfmisc_1 (k4_csspace4 \\ & X0 X1) k1_numbers)))))) \end{aligned} \quad (10)$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge \\
& ((v2_rlvect_1 X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v2_clvect_1 \\
& X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 X0) \wedge ((v5_clvect_1 X0) \wedge \\
& (l1_clvect_1 X0)))))))))) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
& X0))) \Rightarrow ((v1_funct_1 (k8_csspace X0 X1)) \wedge ((v1_funct_2 (k8_csspace \\
& X0 X1) (k2_zfmisc_1 X1 X1) X1) \wedge (m1_subset_1 (k8_csspace X0 X1) (\\
& k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 X1 X1) X1))))))
\end{aligned} \tag{11}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v2_struct_0 X1) \wedge \\
& ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge ((v4_rlvect_1 \\
& X1) \wedge ((v3_normsp_0 X1) \wedge ((v4_normsp_0 X1) \wedge ((v2_clvect_1 X1) \wedge \\
& ((v3_clvect_1 X1) \wedge ((v4_clvect_1 X1) \wedge ((v5_clvect_1 X1) \wedge ((v8_clvect_1 \\
& X1) \wedge (l2_clvect_1 X1)))))))))))))) \Rightarrow (m1_subset_1 (k4_csspace4 \\
& X0 X1) (k1_zfmisc_1 (u1_struct_0 (k3_clopban1 X0 X1))))
\end{aligned} \tag{12}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v2_struct_0 X1) \wedge \\
& ((v13_algstr_0 X1) \wedge ((v2_rlvect_1 X1) \wedge ((v3_rlvect_1 X1) \wedge ((v4_rlvect_1 \\
& X1) \wedge ((v2_clvect_1 X1) \wedge ((v3_clvect_1 X1) \wedge ((v4_clvect_1 X1) \wedge \\
& ((v5_clvect_1 X1) \wedge (l1_clvect_1 X1)))))))))) \Rightarrow ((\neg v2_struct_0 \\
& (k3_clopban1 X0 X1)) \wedge ((v13_algstr_0 (k3_clopban1 X0 X1)) \wedge ((v2_rlvect_1 \\
& (k3_clopban1 X0 X1)) \wedge ((v3_rlvect_1 (k3_clopban1 X0 X1)) \wedge ((v4_rlvect_1 \\
& (k3_clopban1 X0 X1)) \wedge ((v2_clvect_1 (k3_clopban1 X0 X1)) \wedge ((v3_clvect_1 \\
& (k3_clopban1 X0 X1)) \wedge ((v4_clvect_1 (k3_clopban1 X0 X1)) \wedge ((v5_clvect_1 \\
& (k3_clopban1 X0 X1)) \wedge (l1_clvect_1 (k3_clopban1 X0 X1))))))))))
\end{aligned} \tag{13}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge ((v13_algstr_0 X0) \wedge \\
& ((v2_rlvect_1 X0) \wedge ((v3_rlvect_1 X0) \wedge ((v4_rlvect_1 X0) \wedge ((v2_clvect_1 \\
& X0) \wedge ((v3_clvect_1 X0) \wedge ((v4_clvect_1 X0) \wedge ((v5_clvect_1 X0) \wedge \\
& (l1_clvect_1 X0)))))))))) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (u1_struct_0 \\
& X0))) \Rightarrow (m1_subset_1 (k10_csspace X0 X1) X1)
\end{aligned} \tag{14}$$

Assume the following.

$$\begin{aligned}
& \forall X0.\forall X1.\forall X2.\forall X3.\forall X4.((m1_subset_1 \\
& X1 X0)\wedge(((v1_funct_1 X2)\wedge((v1_funct_2 X2 (k2_zfmisc_1 X0 X0) X0)\wedge \\
& (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 X0 X0) \\
& X0))))\wedge(((v1_funct_1 X3)\wedge((v1_funct_2 X3 (k2_zfmisc_1 k2_numbers \\
& X0) X0)\wedge(m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 \\
& k2_numbers X0) X0))))\wedge((v1_funct_1 X4)\wedge((v1_funct_2 X4 X0 k1_numbers)\wedge \\
& (m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X0 k1_numbers))))))\Rightarrow \\
& ((v7_clvect_1 (g2_clvect_1 X0 X1 X2 X3 X4)\wedge(l2_clvect_1 (g2_clvect_1 \\
& X0 X1 X2 X3 X4)))
\end{aligned} \tag{15}$$

Assume the following.

$$\begin{aligned}
& \forall X0.\forall X1.\forall X2.\forall X3.((m1_subset_1 X1 \\
& X0)\wedge(((v1_funct_1 X2)\wedge((v1_funct_2 X2 (k2_zfmisc_1 X0 X0) X0)\wedge \\
& (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 X0 X0) \\
& X0))))\wedge((v1_funct_1 X3)\wedge((v1_funct_2 X3 (k2_zfmisc_1 k2_numbers \\
& X0) X0)\wedge(m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 (k2_zfmisc_1 \\
& k2_numbers X0) X0))))\Rightarrow((v1_clvect_1 (g1_clvect_1 X0 X1 X2 X3)\wedge \\
& (l1_clvect_1 (g1_clvect_1 X0 X1 X2 X3)))
\end{aligned} \tag{16}$$

Assume the following.

$$\begin{aligned}
& \forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.((\neg v2_struct_0 X1)\wedge \\
& ((v13_algstr_0 X1)\wedge((v2_rlvect_1 X1)\wedge((v3_rlvect_1 X1)\wedge((v4_rlvect_1 \\
& X1)\wedge((v2_clvect_1 X1)\wedge((v3_clvect_1 X1)\wedge((v4_clvect_1 X1)\wedge \\
& ((v5_clvect_1 X1)\wedge(l1_clvect_1 X1))))))))\Rightarrow(k3_clopan1 X0 \\
& X1 = g1_clvect_1 (k9_funct_2 X0 (u1_struct_0 X1)) (k4_lopan1 \\
& X0 X1) (k2_lopan1 X0 X1) (k2_clopan1 X0 X1))
\end{aligned} \tag{17}$$

Assume the following.

$$\begin{aligned}
& \forall X0.(\neg v1_xboole_0 X0)\Rightarrow(\forall X1.((\neg v2_struct_0 X1)\wedge \\
& ((v13_algstr_0 X1)\wedge((v2_rlvect_1 X1)\wedge((v3_rlvect_1 X1)\wedge((v4_rlvect_1 \\
& X1)\wedge((v3_normsp_0 X1)\wedge((v4_normsp_0 X1)\wedge((v2_clvect_1 X1)\wedge \\
& ((v3_clvect_1 X1)\wedge((v4_clvect_1 X1)\wedge((v5_clvect_1 X1)\wedge((v8_clvect_1 \\
& X1)\wedge(l2_clvect_1 X1))))))))\Rightarrow(k9_csspace4 X0 X1 = g2_clvect_1 \\
& (k4_csspace4 X0 X1) (k10_csspace (k3_clopan1 X0 X1) (k4_csspace4 \\
& X0 X1)) (k8_csspace (k3_clopan1 X0 X1) (k4_csspace4 X0 X1)) (k9_csspace \\
& (k3_clopan1 X0 X1) (k4_csspace4 X0 X1)) (k8_csspace4 X0 X1))
\end{aligned} \tag{18}$$

Assume the following.

$$\begin{aligned}
& \forall X0.(l2_clvect_1 X0)\Rightarrow((v7_clvect_1 X0)\Rightarrow(X0 = g2_clvect_1 \\
& (u1_struct_0 X0) (u2_struct_0 X0) (u1_algstr_0 X0) (u1_clvect_1 \\
& X0) (u1_normsp_0 X0))
\end{aligned} \tag{19}$$

Theorem 1

$$\begin{aligned} & \forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.((\neg v2_struct_0 X1) \wedge \\ & ((v13_algstr_0 X1) \wedge (v2_rlvect_1 X1) \wedge (v3_rlvect_1 X1) \wedge (v4_rlvect_1 \\ & X1) \wedge (v3_normsp_0 X1) \wedge (v4_normsp_0 X1) \wedge (v2_clvect_1 X1) \wedge \\ & (v3_clvect_1 X1) \wedge (v4_clvect_1 X1) \wedge (v5_clvect_1 X1) \wedge (v8_clvect_1 \\ & X1) \wedge (l2_clvect_1 X1)))))) \Rightarrow ((\neg v2_struct_0 (k9_csspace4 \\ & X0 X1)) \wedge (v13_algstr_0 (k9_csspace4 X0 X1)) \wedge (v2_rlvect_1 (k9_csspace4 \\ & X0 X1)) \wedge (v3_rlvect_1 (k9_csspace4 X0 X1)) \wedge (v4_rlvect_1 (k9_csspace4 \\ & X0 X1)) \wedge (v3_normsp_0 (k9_csspace4 X0 X1)) \wedge (v4_normsp_0 (k9_csspace4 \\ & X0 X1)) \wedge (v2_clvect_1 (k9_csspace4 X0 X1)) \wedge (v3_clvect_1 (k9_csspace4 \\ & X0 X1)) \wedge (v4_clvect_1 (k9_csspace4 X0 X1)) \wedge (v5_clvect_1 (k9_csspace4 \\ & X0 X1)) \wedge (v8_clvect_1 (k9_csspace4 X0 X1)) \wedge (l2_clvect_1 (k9_csspace4 \\ & X0 X1)))))) \end{aligned}$$