

l11_csspace2 (TMPjWghixADrNx- PExLnc63pF6HK9dsn9HUQ)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k18_csspace : \iota$ be given. Let $k2_csspace : \iota \Rightarrow \iota$ be given. Let $k7_csspace : \iota$ be given. Let $k1_csspace : \iota$ 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 $k5_numbers : \iota$ be given. Let $k2_numbers : \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_rlvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_series_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Let $k1_clvect_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k25_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_series_1 : \iota \Rightarrow o$ be given. Let $k20_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k55_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
& (u1_struct_0 \ k7_csspace = k1_csspace) \wedge ((\forall X0.(m1_subset_1 \\
& \quad X0 \ (u1_struct_0 \ k7_csspace)) \Leftrightarrow ((v1_funct_1 \ X0) \wedge ((v1_funct_2 \\
& \quad X0 \ k5_numbers \ k2_numbers) \wedge (m1_subset_1 \ X0 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \\
& \quad k5_numbers \ k2_numbers)))))) \wedge ((\forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \\
& \quad k7_csspace)) \Leftrightarrow ((v1_funct_1 \ X0) \wedge ((v1_funct_2 \ X0 \ k5_numbers \ k2_numbers) \wedge \\
& \quad (m1_subset_1 \ X0 \ (k1_zfmisc_1 \ (k2_zfmisc_1 \ k5_numbers \ k2_numbers)))))) \wedge \\
& \quad ((\forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \ k7_csspace)) \Rightarrow (X0 = \\
& \quad k2_csspace \ X0)) \wedge ((\forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \ k7_csspace)) \Rightarrow \\
& \quad (\forall X1.(m1_subset_1 \ X1 \ (u1_struct_0 \ k7_csspace)) \Rightarrow (k3_rlvect_1 \\
& \quad k7_csspace \ X0 \ X1 = k1_series_1 \ k2_numbers \ (k2_csspace \ X0) \ (k2_csspace \\
& \quad X1)))) \wedge (\forall X0.(v1_xcmplx_0 \ X0) \Rightarrow (\forall X1.(m1_subset_1 \\
& \quad X1 \ (u1_struct_0 \ k7_csspace)) \Rightarrow (k1_clvect_1 \ k7_csspace \ X1 \ X0 = k25_valued_1 \\
& \quad k5_numbers \ k2_numbers \ (k2_csspace \ X1) \ X0))))))
\end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0.(m1_subset_1 \ X0 \ (u1_struct_0 \ k18_csspace)) \Leftrightarrow (((v1_funct_1 \\
& \quad X0) \wedge ((v1_funct_2 \ X0 \ k5_numbers \ k2_numbers) \wedge (m1_subset_1 \ X0 \ (\\
& \quad k1_zfmisc_1 \ (k2_zfmisc_1 \ k5_numbers \ k2_numbers)))))) \wedge (v1_series_1 \\
& \quad (k20_valued_1 \ k5_numbers \ k1_numbers \ k1_numbers \ (k55_valued_1 \\
& \quad k5_numbers \ k2_numbers \ (k2_csspace \ X0)) \ (k55_valued_1 \ k5_numbers \\
& \quad k2_numbers \ (k2_csspace \ X0))))
\end{aligned} \tag{2}$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 (u1_struct_0 k18_csspace)) \Rightarrow (X0 = k2_csspace X0)$$