

t7_tex_2

(TMMV6oEe55cym4Y8vBqwpaxBX9hBHKW23mS)

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Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $g1_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u1_pre_topc : \iota \Rightarrow \iota$ be given. Let $v2_pre_topc : \iota \Rightarrow o$ be given. Let $v1_pre_topc : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(l1_pre_topc X0) \Rightarrow ((v2_pre_topc (g1_pre_topc (u1_struct_0 X0) (u1_pre_topc X0))) \Rightarrow (v2_pre_topc X0)) \quad (1)$$

Assume the following.

$$\forall X0.((v2_pre_topc X0) \wedge (l1_pre_topc X0)) \Rightarrow ((v1_pre_topc (g1_pre_topc (u1_struct_0 X0) (u1_pre_topc X0))) \wedge (v2_pre_topc (g1_pre_topc (u1_struct_0 X0) (u1_pre_topc X0)))) \quad (2)$$

Theorem 1

$$\forall X0.(l1_pre_topc X0) \Rightarrow (\forall X1.(l1_pre_topc X1) \Rightarrow ((g1_pre_topc (u1_struct_0 X0) (u1_pre_topc X0) = g1_pre_topc (u1_struct_0 X1) (u1_pre_topc X1)) \wedge (v2_pre_topc X0)) \Rightarrow (v2_pre_topc X1)))$$