

t15_instalg1
 (TMVXrjmFSsW9sD43JidBfaqb57fBqRARTSd)

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Let $v1_instalg1 : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $m1_instalg1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r3_pua2mss1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_partfun1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. ((v1_instalg1 X0) \wedge (l1_msualg_1 X0)) \Rightarrow (r3_pua2mss1 X0 X0 (k6_partfun1 (u1_struct_0 X0)) (k6_partfun1 (u4_struct_0 X0))) \quad (1)$$

Assume the following.

$$\forall X0. ((v1_instalg1 X0) \wedge (l1_msualg_1 X0)) \Rightarrow (\forall X1. (l1_msualg_1 X1) \Rightarrow ((m1_instalg1 X1 X0) \Leftrightarrow (r3_pua2mss1 X1 X0 (k6_partfun1 (u1_struct_0 X1)) (k6_partfun1 (u4_struct_0 X1))))) \quad (2)$$

Theorem 1 $\forall X0. ((v1_instalg1 X0) \wedge (l1_msualg_1 X0)) \Rightarrow (m1_instalg1 X0 X0).$