

t14_lattices (TM-
RVBJT3M1rPXMM4NfqNE5Go4s8ktSXrdBJ)

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Let $v2_struct_0 : \iota \Rightarrow o$ be given. Let $v10_lattices : \iota \Rightarrow o$ be given. Let $v13_lattices : \iota \Rightarrow o$ be given. Let $l3_lattices : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_lattices : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_lattices : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (((\neg v2_struct_0 X0) \wedge (v10_lattices X0) \wedge ((v13_lattices X0) \wedge (l3_lattices X0)))) \wedge (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (k3_lattices X0 (k5_lattices X0) X1 = X1) \quad (1)$$

Theorem 1

$$\forall X0. ((\neg v2_struct_0 X0) \wedge (v10_lattices X0) \wedge ((v13_lattices X0) \wedge (l3_lattices X0))) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 X0)) \Rightarrow (k3_lattices X0 (k5_lattices X0) X1 = X1))$$