

t9_substlat
(TMPycfGKmoX4nYB9kDdZ53oZ6fvEkJf1LBz)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_finsub_1 : \iota \Rightarrow \iota$ be given. Let $k4_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k3_substlat : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k5_finsub_1 (k4_partfun1 X0 X1))) \Rightarrow (r1_tarski (k3_substlat X0 X1 X2) X2) \quad (1)$$

Assume the following.

$$\forall X0. (r1_tarski X0 k1_xboole_0) \Rightarrow (X0 = k1_xboole_0) \quad (2)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k5_finsub_1 (k4_partfun1 X0 X1))) \Rightarrow ((X2 = k1_xboole_0) \Rightarrow (k3_substlat X0 X1 X2 = k1_xboole_0))$$