t10_tdlat_3 (TMU1bFNwHo1N4QuRP2wtVM1rTMpUqURSNvs)

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Let $l1\_pre\_topc : \iota \Rightarrow o$ be given. Let $v1\_tdlat\_3 : \iota \Rightarrow o$ be given. Let $v2\_tdlat\_3 : \iota \Rightarrow o$ be given. Let $k9\_setfam\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $u1\_pre\_topc : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow ((v2\_tdlat\_3\ X0) \Leftrightarrow (u1\_pre\_topc\ X0 = k2\_tarski\ k1\_xboole\_0\ (u1\_struct\_0\ X0))) \tag{1}$$

Assume the following.

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow ((v1\_tdlat\_3\ X0) \Leftrightarrow (u1\_pre\_topc\ X0 = k9\_setfam\_1\ (u1\_struct\_0\ X0))) \tag{2}$$

Theorem 1

$$\forall X0.(l1\_pre\_topc\ X0) \Rightarrow (((v1\_tdlat\_3\ X0) \wedge (v2\_tdlat\_3\ X0)) \Rightarrow (k9\_setfam\_1\ (u1\_struct\_0\ X0) = k2\_tarski\ k1\_xboole\_0\ (u1\_struct\_0\ X0)))$$