

# t1\_closure1 (TMXou- UHK5HvZP1kbzw5M7GtywCnLBjPiiH5)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (r1\_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. \forall X2. (r1\_tarski \\ & X1 X2) \Rightarrow (r1\_tarski (ReplSep (toset (\lambda X3 : \iota. m1\_subset\_1 X3 \\ & X0)) (\lambda X3 : \iota. r1\_tarski X2 X3) (\lambda X3 : \iota. X3)) (ReplSep ( \\ & toset (\lambda X3 : \iota. m1\_subset\_1 X3 X0)) (\lambda X3 : \iota. r1\_tarski \\ & X1 X3) (\lambda X3 : \iota. X3)))) \end{aligned}$$