

l3\_partfun1  
(TMF4hN4wUWDJnHYzBVDAakRK61p96XcF<sub>x</sub>JP)

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Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k9\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k10\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Assume the following.

$$(k9\_xtuple\_0 k1\_xboole\_0 = k1\_xboole\_0) \wedge (k10\_xtuple\_0 k1\_xboole\_0 = k1\_xboole\_0) \quad (1)$$

Assume the following.

$$\forall X0. r1\_tarski k1\_xboole\_0 X0 \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \exists X2. (r1\_tarski (k9\_xtuple\_0 X2) X0) \wedge (r1\_tarski (k10\_xtuple\_0 X2) X1)$$