

t19\_pre\_circ  
(TMYa3p5vBBNwEQodjm1j1sg3UthdbPrKnbe)

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Let  $k5\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_trees\_4 : \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k1\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. k1\_trees\_4 X0 = k1\_tarski (k4\_tarski k1\_xboole\_0 X0) \quad (1)$$

Assume the following.

$$\forall X0. k1\_card\_1 (k1\_tarski X0) = np\_1 \quad (2)$$

Assume the following.

$$\forall X0. (v1\_finset\_1 X0) \Rightarrow (k5\_card\_1 X0 = k1\_card\_1 X0) \quad (3)$$

Assume the following.

$$\forall X0. v1\_finset\_1 (k1\_tarski X0) \quad (4)$$

**Theorem 1**  $\forall X0. k5\_card\_1 (k1\_trees\_4 X0) = np\_1.$