

## l78\_card\_2

(TMUh9wKAGRThxUsFPSUVr7XFrcS1DjNkJQo)

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Let  $np\_2 : \iota$  be given. Let  $k5\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. (X0 \neq X1) \Rightarrow (k5\_card\_1 (k2\_tarski X0 X1) = np\_2) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2\_tarski X0 X1 = k2\_xboole\_0 (k1\_tarski X0) (k1\_tarski X1) \quad (2)$$

Assume the following.

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

Assume the following.

$$\forall X0. \forall X1. v1\_finset\_1 (k2\_tarski X0 X1) \quad (4)$$

**Theorem 1**  $np\_2 = k5\_card\_1 np\_2$ .