

t62\_rfunct\_1

(TMFz8RQVmWDvkkM9wTxWMaVwwRTfx6fbhfa)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k7\_rfunct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_funct\_3 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. k7\_rfunct\_1 X0 X1 = k4\_funct\_3 X0 X1 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (v1\_funct\_1 (k4\_funct\_3 X0 X1)) \wedge (v1\_partfun1 (k4\_funct\_3 X0 X1) X1) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. (\neg v1\_xboole\_0 X1) \Rightarrow (v1\_partfun1 (k7\_rfunct\_1 X0 X1) X1)$$