

t14_algspec1
(TMUNHzYPEzkxfu4M2oCHMUWhWPhMR8YHvn1)

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Let $r6_pboole : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_algspec1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k6_partfun1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. r1_tarski\ k1_xboole_0\ X0 \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. ((v1_relat_1\ X1) \wedge (v1_funct_1\ X1)) \Rightarrow ((r1_tarski\ X1\ (k6_partfun1\ X0)) \Rightarrow (r6_pboole\ X0\ (k1_algspec1\ X0\ X1)\ (k6_partfun1\ X0))) \tag{2}$$

Assume the following.

$$v1_xboole_0\ k1_xboole_0 \tag{3}$$

Assume the following.

$$\forall X0. (v1_xboole_0\ X0) \Rightarrow (v1_relat_1\ X0) \tag{4}$$

Assume the following.

$$\forall X0. (v1_xboole_0\ X0) \Rightarrow (v1_funct_1\ X0) \tag{5}$$

Theorem 1 $\forall X0. r6_pboole\ X0\ (k1_algspec1\ X0\ k1_xboole_0)\ (k6_partfun1\ X0).$