

t35_partit1 (TMRH-
PvQrsEm7q76xyLyFWyRDsPo7BSD1D8Y)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $r1_setfam_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k10_eqrel_1 : \iota \Rightarrow \iota$ be given. Let $k6_partit1 : \iota \Rightarrow \iota$ be given. Let $m1_eqrel_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0. (\neg v1_xboole_0 X0) \Rightarrow (\forall X1. (m1_eqrel_1 X1 X0) \Rightarrow \\ ((r1_setfam_1 X1 (k6_partit1 X0)) \wedge (r1_setfam_1 (k10_eqrel_1 \\ X0) X1))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. m1_eqrel_1 (k10_eqrel_1 X0) X0 \quad (2)$$

Theorem 1

$$\forall X0. (\neg v1_xboole_0 X0) \Rightarrow (r1_setfam_1 (k10_eqrel_1 X0) (\\ k6_partit1 X0))$$