

## l6\_termord

(TMPJQ32h55zmtvcembk31n8NXQDsZ4gbVjJ)

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Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k15\_pre\_poly : \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v4\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v8\_relat\_2 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_relat\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v4\_relat\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $v4\_valued\_0 : \iota \Rightarrow o$  be given. Let  $v2\_pre\_poly : \iota \Rightarrow o$  be given. Let  $k14\_pre\_poly : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. k15\_pre\_poly X0 = k14\_pre\_poly X0 \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_partfun1 X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))) \Rightarrow (k1\_relat\_1 X1 = X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k14\_pre\_poly X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v1\_relat\_1 X2) \wedge ((v4\_relat\_1 X2 X0) \wedge ((v1\_funct\_1 X2) \wedge (v1\_partfun1 X2 X0) \wedge ((v4\_valued\_0 X2) \wedge (v2\_pre\_poly X2))))))) \quad (3)$$

### Theorem 1

$$\begin{aligned} & \forall X0. (v3\_ordinal1 X0) \Rightarrow (\forall X1. ((v1\_partfun1 X1 (k15\_pre\_poly X0)) \wedge (v1\_relat\_2 X1) \wedge ((v4\_relat\_2 X1) \wedge (v8\_relat\_2 X1) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 (k15\_pre\_poly X0) (k15\_pre\_poly X0))))))) \Rightarrow (\forall X2. (X2 \in k1\_relat\_1 X1) \Rightarrow ((v1\_relat\_1 X2) \wedge ((v4\_relat\_1 X2 X0) \wedge (v1\_funct\_1 X2) \wedge ((v1\_partfun1 X2 X0) \wedge ((v4\_valued\_0 X2) \wedge (v2\_pre\_poly X2))))))) \end{aligned}$$