

## t27\_descip\_1

(TMZKS1AH6Ubv8WkrVHShPbKMH7NNSXWGnk8)

October 27, 2020

Let  $np\_64 : \iota$  be given. Let  $k6\_numbers : \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $np\_3 : \iota$  be given. Let  $np\_4 : \iota$  be given. Let  $np\_5 : \iota$  be given. Let  $np\_6 : \iota$  be given. Let  $np\_7 : \iota$  be given. Let  $np\_8 : \iota$  be given. Let  $np\_9 : \iota$  be given. Let  $np\_10 : \iota$  be given. Let  $np\_11 : \iota$  be given. Let  $np\_12 : \iota$  be given. Let  $np\_13 : \iota$  be given. Let  $np\_14 : \iota$  be given. Let  $np\_15 : \iota$  be given. Let  $np\_16 : \iota$  be given. Let  $np\_17 : \iota$  be given. Let  $np\_18 : \iota$  be given. Let  $np\_19 : \iota$  be given. Let  $np\_20 : \iota$  be given. Let  $np\_21 : \iota$  be given. Let  $np\_22 : \iota$  be given. Let  $np\_23 : \iota$  be given. Let  $np\_24 : \iota$  be given. Let  $np\_25 : \iota$  be given. Let  $np\_26 : \iota$  be given. Let  $np\_27 : \iota$  be given. Let  $np\_28 : \iota$  be given. Let  $np\_29 : \iota$  be given. Let  $np\_30 : \iota$  be given. Let  $np\_31 : \iota$  be given. Let  $np\_32 : \iota$  be given. Let  $np\_33 : \iota$  be given. Let  $np\_34 : \iota$  be given. Let  $np\_35 : \iota$  be given. Let  $np\_36 : \iota$  be given. Let  $np\_37 : \iota$  be given. Let  $np\_38 : \iota$  be given. Let  $np\_39 : \iota$  be given. Let  $np\_40 : \iota$  be given. Let  $np\_41 : \iota$  be given. Let  $np\_42 : \iota$  be given. Let  $np\_43 : \iota$  be given. Let  $np\_44 : \iota$  be given. Let  $np\_45 : \iota$  be given. Let  $np\_46 : \iota$  be given. Let  $np\_47 : \iota$  be given. Let  $np\_48 : \iota$  be given. Let  $np\_49 : \iota$  be given. Let  $np\_50 : \iota$  be given. Let  $np\_51 : \iota$  be given. Let  $np\_52 : \iota$  be given. Let  $np\_53 : \iota$  be given. Let  $np\_54 : \iota$  be given. Let  $np\_55 : \iota$  be given. Let  $np\_56 : \iota$  be given. Let  $np\_57 : \iota$  be given. Let  $np\_58 : \iota$  be given. Let  $np\_59 : \iota$  be given. Let  $np\_60 : \iota$  be given. Let  $np\_61 : \iota$  be given. Let  $np\_62 : \iota$  be given. Let  $np\_63 : \iota$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k2\_finseq\_1 : \iota \Rightarrow \iota$  be given. Let  $v2\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $k5\_numbers : \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.((v7\_ordinal1 X0) \wedge (\neg v1\_xboole\_0 X0)) \Rightarrow (\forall X1. \\ & \neg(X1 \in X0) \wedge ((X1 \neq k6\_numbers) \wedge (\neg(X1 \in k2\_finseq\_1 X0) \wedge (X1 \neq X0)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0. \neg (X0 \in k2\_finseq1\_np\_64) \wedge ((X0 \neq np\_1) \wedge ((X0 \neq np\_2) \wedge \\ & ((X0 \neq np\_3) \wedge ((X0 \neq np\_4) \wedge ((X0 \neq np\_5) \wedge ((X0 \neq np\_6) \wedge ((X0 \neq np\_7) \wedge \\ & ((X0 \neq np\_8) \wedge ((X0 \neq np\_9) \wedge ((X0 \neq np\_10) \wedge ((X0 \neq np\_11) \wedge ((X0 \neq \\ & np\_12) \wedge ((X0 \neq np\_13) \wedge ((X0 \neq np\_14) \wedge ((X0 \neq np\_15) \wedge ((X0 \neq np\_16) \wedge \\ & ((X0 \neq np\_17) \wedge ((X0 \neq np\_18) \wedge ((X0 \neq np\_19) \wedge ((X0 \neq np\_20) \wedge ((X0 \neq \\ & np\_21) \wedge ((X0 \neq np\_22) \wedge ((X0 \neq np\_23) \wedge ((X0 \neq np\_24) \wedge ((X0 \neq np\_25) \wedge \\ & ((X0 \neq np\_26) \wedge ((X0 \neq np\_27) \wedge ((X0 \neq np\_28) \wedge ((X0 \neq np\_29) \wedge ((X0 \neq \\ & np\_30) \wedge ((X0 \neq np\_31) \wedge ((X0 \neq np\_32) \wedge ((X0 \neq np\_33) \wedge ((X0 \neq np\_34) \wedge \\ & ((X0 \neq np\_35) \wedge ((X0 \neq np\_36) \wedge ((X0 \neq np\_37) \wedge ((X0 \neq np\_38) \wedge ((X0 \neq \\ & np\_39) \wedge ((X0 \neq np\_40) \wedge ((X0 \neq np\_41) \wedge ((X0 \neq np\_42) \wedge ((X0 \neq np\_43) \wedge \\ & ((X0 \neq np\_44) \wedge ((X0 \neq np\_45) \wedge ((X0 \neq np\_46) \wedge ((X0 \neq np\_47) \wedge ((X0 \neq \\ & np\_48) \wedge ((X0 \neq np\_49) \wedge ((X0 \neq np\_50) \wedge ((X0 \neq np\_51) \wedge ((X0 \neq np\_52) \wedge \\ & ((X0 \neq np\_53) \wedge ((X0 \neq np\_54) \wedge ((X0 \neq np\_55) \wedge ((X0 \neq np\_56) \wedge ((X0 \neq \\ & np\_57) \wedge ((X0 \neq np\_58) \wedge ((X0 \neq np\_59) \wedge ((X0 \neq np\_60) \wedge ((X0 \neq np\_61) \wedge \\ & ((X0 \neq np\_62) \wedge ((X0 \neq np\_63) \wedge (X0 \neq np\_64)) \\ & \hspace{15em} (2) \end{aligned}$$

Assume the following.

$$\begin{aligned} & ((v2\_xxreal\_0\_np\_64) \wedge (m2\_subset\_1\_np\_64\ k1\_numbers\ k5\_numbers)) \wedge \\ & ((m1\_subset\_1\_np\_64\ k5\_numbers) \wedge (m1\_subset\_1\_np\_64\ k1\_numbers)) \\ & \hspace{15em} (3) \end{aligned}$$

Assume the following.

$$\neg v1\_xboole\_0\_np\_64 \hspace{15em} (4)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \hspace{15em} (5)$$

Assume the following.

$$\forall X0. (m1\_subset\_1\ X0\ k4\_ordinal1) \Rightarrow (v7\_ordinal1\ X0) \hspace{15em} (6)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \neg (X0 \in np\_64) \wedge ((X0 \neq k6\_numbers) \wedge ((X0 \neq np\_1) \wedge ((X0 \neq \\ & np\_2) \wedge ((X0 \neq np\_3) \wedge ((X0 \neq np\_4) \wedge ((X0 \neq np\_5) \wedge ((X0 \neq np\_6) \wedge \\ & ((X0 \neq np\_7) \wedge ((X0 \neq np\_8) \wedge ((X0 \neq np\_9) \wedge ((X0 \neq np\_10) \wedge ((X0 \neq np\_11) \wedge \\ & ((X0 \neq np\_12) \wedge ((X0 \neq np\_13) \wedge ((X0 \neq np\_14) \wedge ((X0 \neq np\_15) \wedge ((X0 \neq \\ & np\_16) \wedge ((X0 \neq np\_17) \wedge ((X0 \neq np\_18) \wedge ((X0 \neq np\_19) \wedge ((X0 \neq np\_20) \wedge \\ & ((X0 \neq np\_21) \wedge ((X0 \neq np\_22) \wedge ((X0 \neq np\_23) \wedge ((X0 \neq np\_24) \wedge ((X0 \neq \\ & np\_25) \wedge ((X0 \neq np\_26) \wedge ((X0 \neq np\_27) \wedge ((X0 \neq np\_28) \wedge ((X0 \neq np\_29) \wedge \\ & ((X0 \neq np\_30) \wedge ((X0 \neq np\_31) \wedge ((X0 \neq np\_32) \wedge ((X0 \neq np\_33) \wedge ((X0 \neq \\ & np\_34) \wedge ((X0 \neq np\_35) \wedge ((X0 \neq np\_36) \wedge ((X0 \neq np\_37) \wedge ((X0 \neq np\_38) \wedge \\ & ((X0 \neq np\_39) \wedge ((X0 \neq np\_40) \wedge ((X0 \neq np\_41) \wedge ((X0 \neq np\_42) \wedge ((X0 \neq \\ & np\_43) \wedge ((X0 \neq np\_44) \wedge ((X0 \neq np\_45) \wedge ((X0 \neq np\_46) \wedge ((X0 \neq np\_47) \wedge \\ & ((X0 \neq np\_48) \wedge ((X0 \neq np\_49) \wedge ((X0 \neq np\_50) \wedge ((X0 \neq np\_51) \wedge ((X0 \neq \\ & np\_52) \wedge ((X0 \neq np\_53) \wedge ((X0 \neq np\_54) \wedge ((X0 \neq np\_55) \wedge ((X0 \neq np\_56) \wedge \\ & ((X0 \neq np\_57) \wedge ((X0 \neq np\_58) \wedge ((X0 \neq np\_59) \wedge ((X0 \neq np\_60) \wedge ((X0 \neq \\ & np\_61) \wedge ((X0 \neq np\_62) \wedge (X0 \neq np\_63)) \\ & \hspace{15em} \end{aligned}$$