Inference at $*$ 1 1 1 1
 of proof for Lemma choicef_wf:

1. xm : $\forall P{:}\mathbb{P}.\ P \vee (\neg P)$
2. T : Type
3. P : $T \to \mathbb{P}$
4. $\exists a{:}T.\ P(a)$
5. y : $\{y{:}T|\ P(y)\}$ →False
6. $xm(\{y{:}T|\ P(y)\}\ ) = (\text{inr } y\ )$

⊢$\{y{:}T|\ P(y)\}$
  by ((((D 4)
  CollapseTHEN (With a (D 0)))·)
  CollapseTHEN ((Auto_aux (first_nat 1:n
) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

    .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_97906_{choicef_wf}1_1_1_1.html