Inference at $*$
 of proof for Lemma bool_wf:

$\vdash \mathbb{B} \in$ Type
  by ((Unfold ‘bool‘ 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_92599_{bool_wf}.html