Inference at $*$
 of proof for Lemma band_wf:

$\vdash \forall p, q{:}\mathbb{B}.\ (p \wedge_b q) \in \mathbb{B}$
  by ((Unfold ‘band‘ 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_92088_{band_wf}.html