Inference at $*$
 of proof for Lemma gt_wf:

$\vdash \forall i, j{:}\mathbb{Z}.\ (i > j) \in \mathbb{P}_1$
  by ((Unfold ‘gt‘ 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_95841_{gt_wf}.html