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

1. $b : \mathbb{B}$
2. $b = \mathrm{tt}$
$\vdash b = \mathrm{tt}$
   by (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)

   .

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_86928_{bool_sim_true}1_1.html