Inference at $*$
of proof for Lemma comb_for_pi2_wf:

$\vdash$ ($\lambda A,B,p,z.\ p.2$) $\in$ A:Type$\rightarrow$$B$:($A\rightarrow$Type)$\rightarrow$$p$:($a$:$A\times B(a)$)$\rightarrow$($\downarrow$True)$\rightarrow B(p.1)$
by (ProveOpCombinatorTyping (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
)) (first_tok :t) inil_term)) ‘pi2_wf‘

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_97142_{comb_for_pi2_wf}.html