Inference at $*$
of proof for Lemma squash_functionality_wrt_implies:

$\vdash \forall P, Q{:}\mathbb{P}.\ \{P \Rightarrow Q\} \Rightarrow \{(\downarrow P) \Rightarrow (\downarrow Q)\}$
by ((((Unfold ‘guard‘ 0)
CollapseTHEN (RepD))·)
CollapseTHENA ((Auto_aux (first_nat
1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

1. $P : \mathbb{P}$
2. $Q : \mathbb{P}$
3. $P \Rightarrow Q$
4. $\downarrow P$

$\vdash \downarrow Q$

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_98592_{squash_functionality_wrt_implies}.html