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

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

$\vdash \downarrow Q$

```
  by ((((((D 4)
  CollapseTHEN (D 0))·)
  CollapseTHEN (D 3))·)
  CollapseTHEN (
    (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 4:n)) (first_tok :t) inil_term)))·

    .
```