Inference at $*$
of proof for Lemma and_functionality_wrt_implies:

$\vdash \forall P_1, P_2, Q_1, Q_2 : \mathbb{P}.\ \{P_1 \Rightarrow P_2\} \Rightarrow \{Q_1 \Rightarrow Q_2\} \Rightarrow \{(P_1\ \&\ Q_1) \Rightarrow (P_2\ \&\ Q_2)\}$

```
  by ((((Unfold 'guard' 0)
  CollapseTHEN ((Auto_aux (first_nat 1:n) ((first_nat 1:n
    ),(first_nat 3:n)) (first_tok :t) inil_term)))·)
  CollapseTHEN (HypBackchain))·
```

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http://www.nuprl.org/FDLcontent/p0_942988_/p121_99430_{and_functionality_wrt_implies}.html