Inference at $*$
of proof for Lemma implies_transitivity:

$\vdash \forall P, Q, R{:}\mathbb{P}.\ (P \Rightarrow Q) \Rightarrow (Q \Rightarrow R) \Rightarrow \{P \Rightarrow R\}$
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_99520_{implies_transitivity}.html