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

1. $A : \mathbb{P}$
2. $B : \mathbb{P}$
3. Dec($A$)
4. $\neg(A \ \& \ B)$

$\vdash (\neg A) \vee (\neg B)$

 by ((Decide $A$)
 CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 1000:n)) (first_tok :t) inil_term)))·

1:

5. $A$

$\vdash (\neg A) \vee (\neg B)$

2:

5. $\neg A$

$\vdash (\neg A) \vee (\neg B)$

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