Inference at $*$
of proof for Lemma not_over_or:

$\vdash \forall A, B{:}\mathbb{P}.\ (\neg(A \vee B)) \iff ((\neg A)\ \&\ (\neg B))$
by ((GenUnivCD)
CollapseTHENA ((Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))·

1:

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

$\vdash \neg A$

2:

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

$\vdash \neg B$

3:

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

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

.

---

http://www.nuprl.org/FDLcontent/p0_942988_/p121_100521_{not_over_or}.html