

```

⊢ ∀[P,Q:ℙ]. ((P ⇒ (¬P)) ⇒ P ⇒ Q)
|
BY RepeatFor 2 ((UD THENA Auto))
|
[1]. P: ℙ
[2]. Q: ℙ
⊢ (P ⇒ (¬P)) ⇒ P ⇒ Q
|
BY RepeatFor 2 ((D 0 THENA Auto))
|
3. P ⇒ (¬P)
4. P
⊢ Q
|
BY D 3
| \
| 3. P
| ⊢ P
| |
1 BY NthHyp 3
| \
| 3. P
| 4. ¬P
| ⊢ Q
|
BY Unfold 'not' 4
|
4. P ⇒ False
⊢ Q
|
BY D 4
| \
| ⊢ P
| |
1 BY NthHyp 3
| \
| 4. False
| ⊢ Q
|
BY FalseHD 4

```

```

Extract: λf,p. any (f p p)
         where f : P ⇒ (¬P)
               p : P

```