

```

⊢ ∀[A:ℙ]. {¬¬A ⇔ A}
|
BY (D 0 THENA Auto)
| \
| 1. A: ℙ
| ⊢ {¬¬A ⇔ A}
| |
1 BY RepeatFor 4 ((D 0 THENA Auto))
| | \
| | 2. ¬¬A
| | ⊢ {A}
| | |
1 2 BY (ClassicalContradiction THENA Auto)
| | |
| | 3. ¬A
| | ⊢ {A}
| | |
1 2 BY D 2
| | |
| | 2. ¬A
| | ⊢ ¬A
| | |
1 2 BY Hypothesis
| | \
| | 2. A
| | ⊢ {¬¬A}
| | |
1 BY (ElimClassical THENA Auto)
| | |
| | ⊢ ¬¬A
| | |
1 BY (D 0 THENA Auto)
| | |
| | 3. ¬A
| | ⊢ False
| | |
1 BY D 3
| | |
| | ⊢ A
| | |
1 BY Hypothesis
| | \
| | 1. A: ℙ
| | 2. {x:Unit | ¬¬A ⇔ A}
| | ⊢ Ax ∈ {x:Unit | ¬¬A ⇔ A}
| | |
| | BY Auto

```