\( \forall [A,B : P]. \ {A \lor B \iff (\neg A) \Rightarrow B} \)

| \( \\vdash \ \forall [A,B : P]. \ {A \lor B \iff (\neg A) \Rightarrow B} \) |
| 1 \| \( \text{BY (D 0 THENA Auto)} \) |
| 1 \| 1 \| \( A : P \)
| 1 | \( \vdash \ \forall [B : P]. \ {A \lor B \iff (\neg A) \Rightarrow B} \) |
| 1 \| 2 \| \( B : P \)
| 1 2 \| \( \text{BY RepeatFor 4 ((D 0 THENA Auto))} \) |
| 1 2 3 \| \( \text{BY RepeatFor 2 ((D 0 THENA Auto))} \) |
| 1 2 3 4 \| \( \text{BY Hypothesis} \) |
| 1 2 3 4 \| \( \text{BY ElimClassical} \) |
| 1 2 3 \| \( \text{BY Hypothesis} \) |
| 1 2 \| \( \text{BY (ClassicalContradiction THENA Auto)} \) |
| 1 2 \| \( \text{BY (ElimClassical THENA Auto)} \) |
| 1 2 \| \( \text{BY D 3} \) |
3. ¬(A ∨ B) ⊢ ¬A
1 2 3 BY (D 0 THENA Auto)

4. A ⊢ False
1 2 3 BY D 3

3. A ⊢ A ∨ B
1 2 3 BY (OrLeft THENA Auto)

3. ¬(A ∨ B) ⊢ A
1 2 3 BY Hypothesis

3. ¬(A ∨ B) ⊢ B
1 2 BY (OrRight THENA Auto)

3. A ⊢ B
1 2 BY Hypothesis

B: P

3. {x:Unit| A ∨ B ⇔ (¬A) ⇒ B} ⊢ Ax ∈ {x:Unit| A ∨ B ⇔ (¬A) ⇒ B}
1 BY Auto

A: P
2. B: P

3. {x:Unit| A ∨ B ⇔ (¬A) ⇒ B} ⊢ Ax ∈ {x:Unit| A ∨ B ⇔ (¬A) ⇒ B}
1 BY Auto