Challenge

Spare Time Teaching

April 12, 2015

Problem

We have played a bit with negations before, so let's continue the tradition. Prove this simple statement in Coq:

```
Require Import Setoid Classical.

Lemma ∃_not_∀: ∀ A : Type, ∀ P : A → Prop,
  (∃ x, ~P x) ↔ (~ ∀ x, P x).
Proof.
  (* put proof here *)
Qed.
```