

Challenge

Spare Time Teaching

April 5, 2014

You may not add parameters or change the output.

Problem

Prove this simple statement in Coq:

Example

```
Require Import Arith.  
  
Definition min m n := if leb m n then m else n.  
  
Lemma min_minus :  $\forall$  m n,  
  min m (m - n) = m - n.  
Proof.  
  (put proof here *)  
Qed.
```