# How do you import modules from the standard library?

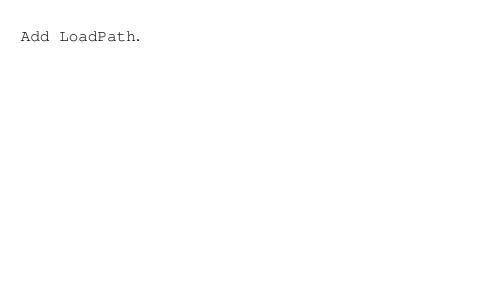
#### Use the Require command.

Require Import Arith.

How does the Require command work?

Looks for a compiled .vo file with the same name in the libraries Coq knows about. Paths use the same directory structure as the local operating system.

## How can you let Coq know about new library paths?



What is an absolute module name?

A sequence of single identifiers separated by dots. E.g., Arith has full name Coq. Arith. Arith.

Why is loading compiled files quick?

The corresponding development is not type-checked again.

What does the  ${\tt Load}$  command do?

Same as Require Import, but takes an uncompiled .v file instead of a compiled .v of file.

### How can dependencies-of-dependencies be automatically resolved?

If you want a module M required in a module N to be automatically visible when N is required, you should use

Require Export M in your module N.

#### How can you find the available facts concerning a predicate?

- SearchAbout command looks up all known facts concerning a given predicate.
- Search displays only lemmas that have the searched predicate as the head position in the conclusion.
- SearchPattern allows searching for theorems with a conclusion matching a given pattern, where \_ can be used in place of an arbitrary term.