

Create an enumerated type for the days of the week.

Write a function `next_weekday`.

Prove that tuesday is two weekdays after
saturday.

Create an enumerated type for booleans.

Define a boolean negation function.

Define a function for boolean conjunction.

Define a function for boolean disjunction.

Define a polymorphic expression that can inhabit any type.

Define a function for boolean nand.

Create a type for natural numbers.

Define a function for integer predecessor.

Define a "minus two" function.

Define a function for testing whether a natural number is even.

Define a function for testing whether a natural number is odd.

Define a function for adding natural numbers.

Define a function for multiplying natural numbers.

Define a function for subtracting natural numbers.

Define a function for exponentiating natural numbers.

Define a factorial function.

Define an equality function for natural numbers.

Define a less-than-or-equal-to function for natural numbers.

State that 0 is the additive identity.

State that addition preserves equality.

What does it mean to say boolean negation is involutive?

How can you state it?