

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.