

## PREDICATE FUNCTIONS

### POETRY OF PROGRAMMING – CLOJURE ASSIGNMENTS

Hint: no need to use conditional statements here (e.g. `if`), simply producing a logical value is sufficient.

- (1) Write a function `big-number?` that returns `true` if the given number is greater than 1000, otherwise `false`.
- (2) Using the previous function, write a function `contains-big-number?` that takes a collection of numbers (e.g. list or vector) and decides whether the biggest number in the collection is a big number or not.
- (3) Write a function `many-elements?` that takes arbitrary collection and returns `true` if it has at least 5 elements, `false` otherwise.
- (4) Write a function `more-elements?` that takes two collections, and decides whether the first collection has more elements or not.