Exercises:

- 1. What is memoization? Implement a recursive variant of n! using memoization.
- 2. Sub sets
 - a) Write an imperative method, which uses the JDK's *List*. This method should generate a *List* representing the power set of the input List. The power set (https://en.wikipedia.org/wiki/Power_set) is the set of all sub sets of the elements of another set (e.g. a *List*).
 - b) Write a pure fp-style method, which uses the *List* of the *vavr* library. This method should generate a *vavr List* representing the power set of the elements of a passed *vavr List*.

Remarks:

As always.