Formal Methods for Software Development Exercise sheet 2

Exercise 1:

Consider the following implementation of the sublist function:

and let this be the intended one. Consider the following non-intended implementations:

Write a set of QuickCheck specifications that only passes for the intended implementation. Try to formulate general quantified properties rather than individual test cases.

[Hint: Use import Debug.QuickCheck to import the QuickQueck module]

Exercise 2:

Extend the monadic implementation of queues with additional operation(s), e.g. for taking the rear of a queue. Formulate additional QuickCheck properties characterizing the new operations.