Exercises

Symbolic Test Cases

1. Add **tail** and **well_defined** to the generator for queues as shown in the course slides. Write a property, similar to those prop_cons() to check that the tail of a queue indeed corresponds with the tail of the model.
2. The queue generator as presented in the lecture is not yet complete.
    a. Add **queue:join/2** and **queue:init/1** to the generator for queues.
    b. Write properties for join and init, similar to those for cons and tail.
3. Write a property to check correctness of **queue:split/2**.
4. Write a recursive generator for the dictionary data type as presented in stdlib dict module. Use symbolic representations of dict:new/0 and dict:store/3 to generate dictionaries.
5. Write a property to check whether dict:store/3 behaves as expected (use dict:to_list/1 to create the model of a dictionary).