Exercise 1.3.50: Fail-fast iterator. Modify the iterator code in Stack to immediately throw a j ava.util.ConcurrentModificationException if the client modifies the collection (via push() or pop()) during iteration? b).

Solution: Create a counter that counts number of $push()$ and $pop()$ operations. Before each call to $hasNext()$ and $next()$. check that this value has not changed since construction of iterator. If it has, that means client modified stack, so throw exception.