Test Report Assignment 7

We wanted to see if we get the transitive closure from the following function:

We test this based on the following assumption from the workshop:

```
R \circ R \subseteq R \Leftrightarrow \mathbf{R} is transitive.
```

From this, we designed the function TESTTRCLOS:

```
testTrClos :: [(Int, Int)] -> Bool
testTrClos rNotUnique = (r @@ r) 'allIn' (trClos r)
  where r = nub rNotUnique
```

Here, the input of a random generator is converted to a unique set of elements (yet, still represented as a list), after which the stated property is tested. This function can be tested by QuickCheck using:

```
quickCheck testTrClos
```

Which returned TRUE.