Lösningsförslag

Implementera en generisk klass

U 1.
```
/** Returns true if this collection contains the specified element. */
public boolean contains(Object x) {
    for (int i = 0; i < size; i++) {
        if (theCollection[i].equals(x)) {
            return true;
        }
    }
    return false;
}

/* Creates an new array that is twice the size of the current array and
   copies the content of the current array into the new one. */
private void doubleArray() {
    E[] tmp = (E[]) new Object[2 * theCollection.length];
    for (int i = 0; i < size; i++) {
        tmp[i] = theCollection[i];
    }
    theCollection = tmp;
}
```

Alternativ implementering av `doubleArray`:

```
private void doubleArray() {
    E[] tmp = (E[]) new Object[2 * theCollection.length];
    System.arraycopy(theCollection, 0, tmp, 0, size);
    theCollection = tmp;
}
```